

THE INDIAN YEAR BOOK 1934-35

VOLUME XXI

*A Statistical and Historical Annual of The Indian
Empire, with an Explanation of the Principal
Topics of the day.*

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TWENTY-FIRST YEAR OF ISSUE

PUBLISHED BY
BENNETT, COLEMAN & Co, LTD,
"THE TIMES OF INDIA" OFFICES, BOMBAY AND CALCUTTA
LONDON AGENCY SALISBURY SQUARE HOUSE, FLEET STREET, E C 4

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CALENDAR FOR 1934.

JANUARY

Sun	*	7	14	21	28	*
M	1	8	15	22	29	*
Tu	2	9	16	23	30	*
W	3	10	17	24	31	*
Th	4	11	18	25	*	*
F	5	12	19	26	*	*
S	6	13	20	27	*	*

FEBRUARY

Sun	*	4	11	18	25	*
M	*	5	12	19	26	*
Tu	*	6	13	20	27	*
W	*	7	14	21	28	*
Th	1	8	15	22	*	*
F	2	9	16	23	*	*
S	3	10	17	24	*	*

MARCH

Sun	*	4	11	18	25	*
M	*	5	12	19	26	*
Tu	*	6	13	20	27	*
W	*	7	14	21	28	*
Th	1	8	15	22	29	*
F	2	9	16	23	30	*
S	3	10	17	24	31	*

APRIL

Sun	1	8	15	22	29	*
M	2	9	16	23	30	*
Tu	3	10	17	24	*	*
W	4	11	18	25	*	*
Th	5	12	19	26	*	*
F	6	13	20	27	*	*
S	7	14	21	28	*	*

MAY

Sun	*	6	13	20	27	*
M	*	7	14	21	28	*
Tu	1	8	15	22	29	*
W	2	9	16	23	30	*
Th	3	10	17	24	31	*
F	4	11	18	25	*	*
S	5	12	19	26	*	*

JUNE

Sun	*	3	10	17	24	*
M	*	4	11	18	25	*
Tu	*	5	12	19	26	*
W	*	6	13	20	27	*
Th	*	7	14	21	28	*
F	1	8	15	22	29	*
S	2	9	16	23	30	*

JULY

Sun	1	8	15	22	29	*
M	2	9	16	23	30	*
Tu	3	10	17	24	31	*
W	4	11	18	25	*	*
Th	5	12	19	26	*	*
F	6	13	20	27	*	*
S	7	14	21	28	*	*

AUGUST

Sun	*	5	12	19	26	*
M	*	6	13	20	27	*
Tu	*	7	14	21	28	*
W	1	8	15	22	29	*
Th	2	9	16	23	30	*
F	3	10	17	24	31	*
S	4	11	18	25	*	*

SEPTEMBER

Sun	*	2	9	16	23	30
M	*	3	10	17	24	*
Tu	*	4	11	18	25	*
W	*	5	12	19	26	*
Th	*	6	13	20	27	*
F	*	7	14	21	28	*
S	1	8	15	22	29	*

OCTOBER

Sun	*	7	14	21	28	*
M	1	8	15	22	29	*
Tu	2	9	16	23	30	*
W	3	10	17	24	31	*
Th	4	11	18	25	*	*
F	5	12	19	26	*	*
S	6	13	20	27	*	*

NOVEMBER

Sun	*	4	11	18	25	*
M	*	5	12	19	26	*
Tu	*	6	13	20	27	*
W	*	7	14	21	28	*
Th	1	8	15	22	29	*
F	2	9	16	23	30	*
S	3	10	17	24	*	*

DECEMBER

Sun	*	2	9	16	23	30
M	*	3	10	17	24	31
Tu	*	4	11	18	25	*
W	*	5	12	19	26	*
Th	*	6	13	20	27	*
F	*	7	14	21	28	*
S	1	8	15	22	29	*

Phases of the Moon—JANUARY 31 Days

○ Full Moon	1st, 2h 21m A M	☾ New Moon	15th, 7h 7m P M
☾ Last Quarter	8th, 3h 6m A M	☾ First Quarter	22nd, 5h 20m P M
		○ Full Moon	30th 10h 1m P M

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun's Declination at Mean Noon
			Sunrise A M	Sunset P M	True Noon P M		
			H M	H M	H M	D	S
Monday	1	1	7 12	6 12	0 42	15 2	23 3
Tuesday	2	2	7 12	6 13	0 42	16 2	22 58
Wednesday	3	3	7 13	6 13	0 43	17 2	22 53
Thursday	4	4	7 13	6 14	0 43	18 2	22 47
Friday	5	5	7 13	6 15	0 44	19 2	22 41
Saturday	6	6	7 13	6 15	0 44	20 2	22 34
Sunday	7	7	7 14	6 16	0 45	21 2	22 27
Monday	8	8	7 14	6 17	0 45	22 2	22 19
Tuesday	9	9	7 14	6 17	0 46	23 2	22 12
Wednesday	10	10	7 14	6 18	0 46	24 2	22 3
Thursday	11	11	7 14	6 18	0 46	25 2	21 54
Friday	12	12	7 15	6 19	0 46	26 2	21 45
Saturday	13	13	7 15	6 20	0 47	27 2	21 35
Sunday	14	14	7 15	6 21	0 47	28 2	21 25
Monday	15	15	7 15	6 22	0 48	29 2	21 15
Tuesday	16	16	7 15	6 22	0 48	0 7	21 4
Wednesday	17	17	7 15	6 23	0 48	1 7	20 52
Thursday	18	18	7 15	6 24	0 49	2 7	20 40
Friday	19	19	7 15	6 25	0 49	3 7	20 28
Saturday	20	20	7 15	6 25	0 49	4 7	20 16
Sunday	21	21	7 15	6 26	0 50	5 7	20 3
Monday	22	22	7 15	6 27	0 50	6 7	19 49
Tuesday	23	23	7 15	6 27	0 50	7 7	19 35
Wednesday	24	24	7 15	6 28	0 50	8 7	19 21
Thursday	25	25	7 15	6 29	0 51	9 7	19 7
Friday	26	26	7 15	6 29	0 51	10 7	18 52
Saturday	27	27	7 14	6 29	0 51	11 7	18 37
Sunday	28	28	7 14	6 30	0 51	12 7	18 22
Monday	29	29	7 14	6 30	0 52	13 7	18 6
Tuesday	30	30	7 14	6 31	0 52	14 7	17 50
Wednesday	31	31	7 14	6 31	0 52	15 7	17 33

Phases of the Moon—MARCH 31 Days.

○ Full Moon

1st, 2h 56m P.M.

○ New Moon

14th, 5h 23m P.M.

☾ Last Quarter

8th, 11h 56m P.M.

☾ First Quarter

2nd, 6h 15m A.M.

○ Full Moon

1st, 6h 45m A.M.

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun's Declination at Noon
			Sunrise A.M.	Sunset P.M.	Time Noon		
Thursday	1	60	6 55	6 44	0 51	15 7	7 40
Friday	2	61	6 58	6 41	0 51	16 1	7 27
Saturday	3	62	6 57	6 40	0 51	17 3	7 14
Sunday	4	63	6 56	6 39	0 51	18 5	6 41
Monday	5	64	6 56	6 46	0 51	19 7	6 18
Tuesday	6	65	6 55	6 46	0 50	20 3	5 50
Wednesday	7	66	6 54	6 47	0 50	21 5	5 22
Thursday	8	67	6 53	6 47	0 50	22 7	5 8
Friday	9	68	6 53	6 47	0 50	23 7	4 44
Saturday	10	69	6 52	6 48	0 49	24 3	4 21
Sunday	11	70	6 51	6 48	0 49	25 7	3 57
Monday	12	71	6 50	6 48	0 49	26 1	3 34
Tuesday	13	72	6 49	6 48	0 49	27 3	3 11
Wednesday	14	73	6 49	6 49	0 49	28 3	2 47
Thursday	15	74	6 48	6 49	0 49	29 3	2 23
Friday	16	75	6 47	6 49	0 48	0 8	1 59
Saturday	17	76	6 46	6 49	0 48	1 8	1 35
Sunday	18	77	6 45	6 49	0 48	2 8	1 12
Monday	19	78	6 44	6 50	0 47	3 8	0 48
Tuesday	20	79	6 43	6 50	0 47	4 8	0 24
Wednesday	21	80	6 42	6 50	0 47	5 8	0 1
Thursday	22	81	6 41	6 50	0 46	6 8	0 N 22
Friday	23	82	6 40	6 51	0 46	7 8	0 46
Saturday	24	83	6 39	6 51	0 46	8 8	1 10
Sunday	25	84	6 39	6 51	0 45	9 8	1 34
Monday	26	85	6 38	6 51	0 45	10 8	1 57
Tuesday	27	86	6 38	6 51	0 45	11 8	2 21
Wednesday	28	87	6 37	6 52	0 45	12 8	2 44
Thursday	29	88	6 36	6 52	0 44	13 8	3 8
Friday	30	89	6 35	6 52	0 44	14 8	3 31
Saturday	31	90	6 34	6 52	0 44	15 8	3 54

Phases of the Moon—APRIL 30 Days.

☾ Last Quarter

7th, 6h 19m A M

☽ First Quarter

22nd, 2h 50m A M

● New Moon

14th, 5h 27m A M

○ Full Moon

29th, 6h 15m P M

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun's Declination at Mean Noon
			Sunrise A M	Sunset P M	True Noon P M		
			H M	H M	H M	D	N
Sunday	1	91	6 33	6 53	0 43	16 8	4 17
Monday	2	92	6 33	6 53	0 43	17 8	4 41
Tuesday	3	93	6 32	6 53	0 42	18 8	5 4
Wednesday	4	94	6 31	6 53	0 42	19 8	5 27
Thursday	5	95	6 30	6 54	0 42	20 8	5 50
Friday	6	96	6 29	6 54	0 42	21 8	6 13
Saturday	7	97	6 28	6 54	0 41	22 8	6 35
Sunday	8	98	6 28	6 54	0 41	23 8	6 58
Monday	9	99	6 27	6 54	0 41	24 8	7 20
Tuesday	10	100	6 26	6 55	0 40	25 8	7 43
Wednesday	11	101	6 25	6 55	0 40	26 8	8 5
Thursday	12	102	6 24	6 55	0 40	27 8	8 27
Friday	13	103	6 23	6 55	0 40	28 8	8 49
Saturday	14	104	6 22	6 56	0 39	0 3	9 11
Sunday	15	105	6 21	6 56	0 39	1 3	9 32
Monday	16	106	6 20	6 56	0 39	2 3	9 54
Tuesday	17	107	6 19	6 57	0 38	3 3	10 15
Wednesday	18	108	6 19	6 57	0 38	4 3	10 36
Thursday	19	109	6 18	6 57	0 38	5 3	10 57
Friday	20	110	6 17	6 57	0 38	6 3	11 18
Saturday	21	111	6 16	6 57	0 38	7 3	11 38
Sunday	22	112	6 15	6 58	0 37	8 3	11 59
Monday	23	113	6 14	6 58	0 37	9 3	12 19
Tuesday	24	114	6 14	6 58	0 37	10 3	12 39
Wednesday	25	115	6 13	6 59	0 37	11 3	12 59
Thursday	26	116	6 13	6 59	0 37	12 3	13 19
Friday	27	117	6 13	6 59	0 36	13 3	13 38
Saturday	28	118	6 12	7 0	0 36	14 3	13 57
Sunday	29	119	6 12	7 0	0 36	15 3	14 16
Monday	30	120	6 12	7 0	0 36	16 3	14 34

Phases of the Moon—JUNE 30 Days

☾ Last Quarter

4th, 6h 23m P M

☽ First Quarter

20th, 0h 7m P M

● New Moon

12th, 7h 42m A M

○ Full Moon

27th, 10h 38m A M

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun's Declination at Mean Noon
			Sunrise A M	Sunset P M	True Noon P M		
			H M	H M	H M	D	° N
Friday	1	152	6 1	7 12	0 36	18 8	21 58
Saturday	2	153	6 1	7 12	0 36	19 8	22 6
Sunday	3	154	6 1	7 13	0 37	20 8	22 14
Monday	4	155	6 1	7 13	0 37	21 8	22 22
Tuesday	5	156	6 1	7 14	0 37	22 8	22 29
Wednesday	6	157	6 1	7 14	0 37	23 8	22 35
Thursday	7	158	6 1	7 14	0 37	24 8	22 42
Friday	8	159	6 1	7 15	0 37	25 8	22 48
Saturday	9	160	6 1	7 15	0 38	26 8	22 53
Sunday	10	161	6 1	7 15	0 38	27 8	22 58
Monday	11	162	6 1	7 16	0 38	28 8	23 3
Tuesday	12	163	6 1	7 16	0 38	0 2	23 7
Wednesday	13	164	6 1	7 16	0 38	1 2	23 11
Thursday	14	165	6 1	7 17	0 39	2 2	23 14
Friday	15	166	6 1	7 17	0 39	3 2	23 17
Saturday	16	167	6 1	7 17	0 39	4 2	23 20
Sunday	17	168	6 1	7 17	0 39	5 2	23 22
Monday	18	169	6 2	7 18	0 39	6 2	23 24
Tuesday	19	170	6 2	7 18	0 40	7 2	23 25
Wednesday	20	171	6 2	7 18	0 40	8 2	23 26
Thursday	21	172	6 2	7 18	0 40	9 2	23 27
Friday	22	173	6 3	7 19	0 40	10 2	23 27
Saturday	23	174	6 3	7 19	0 41	11 2	23 27
Sunday	24	175	6 3	7 19	0 41	12 2	23 26
Monday	25	176	6 3	7 19	0 41	13 2	23 25
Tuesday	26	177	6 3	7 19	0 41	14 2	23 23
Wednesday	27	178	6 4	7 19	0 41	15 2	23 21
Thursday	28	179	6 4	7 20	0 42	16 2	23 19
Friday	29	180	6 4	7 20	0 42	17 2	23 16
Saturday	30	181	6 4	7 20	0 42	18 2	23 13

Phases of the Moon—JULY 31 Days

☾ Last Quarter

4th, 1h 58m A M

☽ First Quarter

20th, 0h 23m A M

● New Moon

11th, 10h 36m P M

○ Full Moon

26th, 5h 30m P M

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun's Declination at Mean Noon
			Sunrise A M	Sunset P M	True Noon P M		
			H M	H M	H M	D	° N
Sunday	1	182	6 5	7 20	0 42	19 2	23 10
Monday	2	183	6 5	7 20	0 42	20 2	23 6
Tuesday	3	184	6 6	7 20	0 43	21 2	23 1
Wednesday	4	185	6 6	7 20	0 43	22 2	22 56
Thursday	5	186	6 6	7 20	0 43	23 2	22 51
Friday	6	187	6 7	7 20	0 43	24 2	22 46
Saturday	7	188	6 7	7 20	0 43	25 2	22 40
Sunday	8	189	6 7	7 20	0 43	26 2	22 34
Monday	9	190	6 8	7 20	0 44	27 2	22 27
Tuesday	10	191	6 8	7 20	0 44	28 2	22 19
Wednesday	11	192	6 8	7 20	0 44	29 2	22 12
Thursday	12	193	6 8	7 20	0 44	0 6	22 4
Friday	13	194	6 8	7 20	0 44	1 6	21 56
Saturday	14	195	6 9	7 20	0 44	2 6	21 47
Sunday	15	196	6 9	7 19	0 44	3 6	21 38
Monday	16	197	6 9	7 19	0 44	4 6	21 29
Tuesday	17	198	6 10	7 19	0 45	5 6	21 19
Wednesday	18	199	6 10	7 19	0 45	6 6	21 9
Thursday	19	200	6 10	7 19	0 45	7 6	20 58
Friday	20	201	6 11	7 18	0 45	8 6	20 47
Saturday	21	202	6 11	7 18	0 45	9 6	20 36
Sunday	22	203	6 12	7 18	0 45	10 6	20 25
Monday	23	204	6 12	7 18	0 45	11 6	20 13
Tuesday	24	205	6 12	7 17	0 45	12 6	20 1
Wednesday	25	206	6 13	7 17	0 45	13 6	19 48
Thursday	26	207	6 13	7 17	0 45	14 6	19 35
Friday	27	208	6 13	7 17	0 45	15 6	19 22
Saturday	28	209	6 14	7 16	0 45	16 6	19 9
Sunday	29	210	6 14	7 16	0 45	17 6	18 55
Monday	30	211	6 14	7 16	0 45	18 6	18 41
Tuesday	31	212	6 15	7 15	0 45	19 6	18 26

Phases of the Moon—AUGUST 31 Days.

☾ Last Quarter

2nd, 11h 57m A M

☽ First Quarter

18th, 10h 3m A M

● New Moon

10th, 2h 16m P M

○ Full Moon

25th, 1h 7m A M

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun's Declination at Mean Noon
			Sunrise A M	Sunset P M	True Noon P M		
			H M	H M	H M	D	° N
Wednesday	1	213	6 15	7 15	0 45	20 6	18 11
Thursday	2	214	6 15	7 14	0 45	21 6	17 56
Friday	3	215	6 16	7 14	0 45	22 6	17 41
Saturday	4	216	6 16	7 13	0 45	23 6	17 25
Sunday	5	217	6 16	7 13	0 45	24 6	17 9
Monday	6	218	6 17	7 12	0 45	25 6	16 53
Tuesday	7	219	6 17	7 12	0 44	26 6	16 37
Wednesday	8	220	6 17	7 11	0 44	27 6	16 20
Thursday	9	221	6 18	7 11	0 44	28 6	16 3
Friday	10	222	6 18	7 10	0 44	29 6	15 45
Saturday	11	223	6 18	7 9	0 44	0 9	15 28
Sunday	12	224	6 19	7 9	0 44	1 9	15 11
Monday	13	225	6 19	7 8	0 44	2 9	14 53
Tuesday	14	226	6 19	7 8	0 43	3 9	14 34
Wednesday	15	227	6 20	7 7	0 43	4 9	14 16
Thursday	16	228	6 20	7 6	0 43	5 9	13 57
Friday	17	229	6 20	7 6	0 43	6 9	13 38
Saturday	18	230	6 20	7 5	0 43	7 9	13 19
Sunday	19	231	6 21	7 4	0 42	8 9	13 0
Monday	20	232	6 21	7 4	0 42	9 9	12 40
Tuesday	21	233	6 21	7 3	0 42	10 9	12 20
Wednesday	22	234	6 21	7 2	0 42	11 9	12 0
Thursday	23	235	6 21	7 1	0 42	12 9	11 40
Friday	24	236	6 22	7 1	0 41	13 9	11 20
Saturday	25	237	6 22	7 0	0 41	14 9	10 59
Sunday	26	238	6 22	6 59	0 40	15 9	10 38
Monday	27	239	6 22	6 59	0 40	16 9	10 18
Tuesday	28	240	6 23	6 58	0 40	17 9	9 57
Wednesday	29	241	6 23	6 57	0 40	18 9	9 36
Thursday	30	242	6 23	6 56	0 39	19 9	9 14
Friday	31	243	6 23	6 55	0 39	20 9	8 53

Phases of the Moon—SEPTEMBER 30 Days

☞ Last Quarter

1st, 1h 10m 4 M

First Quarter

O Full Moon
 C Last Quarter

16th 5h 56m P V
1st 6h 1m 11

9th, 7h 59m 13"

● New Moon

9th, 5h 50m A M

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun Declination at Mean Noon
			Sunrise A M	Sunset P M	Day Noon P M		
			H M	H M	H M	D	N
Saturday	1	244	6 23	6 55	0 39	21 9	5 1
Sunday	2	245	6 24	6 54	0 40	22 9	5 9
Monday	3	246	6 24	6 53	0 43	23 0	7 47
Tuesday	4	247	6 24	6 52	0 45	24 9	7 25
Wednesday	5	248	6 24	6 51	0 45	25 9	7 3
Thursday	6	249	6 25	6 50	0 47	26 9	6 41
Friday	7	250	6 25	6 50	0 47	27 9	6 19
Saturday	8	251	6 25	6 49	0 37	28 9	5 56
Sunday	9	252	6 25	6 48	0 36	0 3	5 3
Monday	10	253	6 25	6 47	0 36	1 3	5 11
Tuesday	11	254	6 25	6 46	0 36	2 3	4 43
Wednesday	12	255	6 25	6 45	0 35	3 3	4 25
Thursday	13	256	6 26	6 44	0 35	4 3	4 2
Friday	14	257	6 26	6 43	0 35	5 3	3 39
Saturday	15	258	6 26	6 43	0 34	6 3	3 16
Sunday	16	259	6 26	6 42	0 34	7 3	2 53
Monday	17	260	6 26	6 41	0 33	8 3	2 30
Tuesday	18	261	6 27	6 40	0 33	9 3	2 7
Wednesday	19	262	6 27	6 39	0 33	10 3	1 44
Thursday	20	263	6 27	6 38	0 32	11 3	1 21
Friday	21	264	6 27	6 37	0 32	12 3	0 57
Saturday	22	265	6 27	6 36	0 32	13 3	0 33
Sunday	23	266	6 27	6 36	0 31	14 3	0 10
Monday	24	267	6 27	6 35	0 31	15 3	0 13
Tuesday	25	268	6 28	6 34	0 31	16 3	0 36
Wednesday	26	269	6 28	6 33	0 30	17 3	0 59
Thursday	27	270	6 28	6 32	0 30	18 3	1 23
Friday	28	271	6 28	6 31	0 30	19 3	1 46
Saturday	29	272	6 29	6 30	0 29	20 3	2 9
Sunday	30	273	6 29	6 29	0 29	21 3	2 33

Phases of the Moon—OCTOBER 31 Days

● New Moon

8th, 8h 35m P M

○ Full Moon

22nd, 8h 31m P M

☾ First Quarter

16th, 0h 59m A M

☾ Last Quarter

30th, 1h 52m P M

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun's Declination at Mean Noon
			Sunrise A M	Sunset P M	True Noon P M		
			H M	H M	H M	D	S
Monday	1	274	6 29	6 29	0 29	22 3	2 56
Tuesday	2	275	6 29	6 28	0 29	23 3	3 19
Wednesday	3	276	6 30	6 27	0 29	24 3	3 43
Thursday	4	277	6 30	6 26	0 28	25 3	4 6
Friday	5	278	6 30	6 26	0 28	26 3	4 29
Saturday	6	279	6 30	6 25	0 28	27 3	4 52
Sunday	7	280	6 31	6 24	0 28	28 3	5 15
Monday	8	281	6 31	6 23	0 27	29 3	5 38
Tuesday	9	282	6 31	6 22	0 27	0 7	6 1
Wednesday	10	283	6 32	6 21	0 27	1 7	6 24
Thursday	11	284	6 32	6 20	0 27	2 7	6 47
Friday	12	285	6 32	6 19	0 27	3 7	7 10
Saturday	13	286	6 33	6 18	0 26	4 7	7 33
Sunday	14	287	6 33	6 17	0 26	5 7	7 55
Monday	15	288	6 33	6 16	0 26	6 7	8 17
Tuesday	16	289	6 33	6 15	0 26	7 7	8 39
Wednesday	17	290	6 34	6 14	0 25	8 7	9 1
Thursday	18	291	6 34	6 13	0 25	9 7	9 23
Friday	19	292	6 34	6 12	0 25	10 7	9 45
Saturday	20	293	6 35	6 12	0 25	11 7	10 7
Sunday	21	294	6 35	6 11	0 24	12 7	10 28
Monday	22	295	6 35	6 10	0 24	13 7	10 50
Tuesday	23	296	6 35	6 9	0 24	14 7	11 11
Wednesday	24	297	6 36	6 8	0 24	15 7	11 32
Thursday	25	298	6 36	6 8	0 24	16 7	11 53
Friday	26	299	6 36	6 7	0 23	17 7	12 14
Saturday	27	300	6 37	6 7	0 23	18 7	12 34
Sunday	28	301	6 37	6 7	0 23	19 7	12 55
Monday	29	302	6 37	6 6	0 23	20 7	13 15
Tuesday	30	303	6 37	6 6	0 23	21 7	13 35
Wednesday	31	304	6 38	6 6	0 23	22 7	13 54

Phases of the Moon—NOVEMBER 30 Days

● New Moon
☾ First Quarter

7th 10h 14m A M
11th, 8h 0m A M

○ Full Moon
☾ Last Quarter

21st, 9h 56m A M
29th, 11h, 5m A M

Phase of the Moon			Indian Standard Time			Moon's Age at Noon	Sun's Declination at Mean Noon			
7th 10h 11m 4 M			Sunset P M							
11th, Sh 9m 4 M			C Last Quarter							
Day of the Week	Day of the Month	Day of the Year	Sunrise A M		True Noon P M		D	S		
			H	M	H	M				
Thursday	1	305	6	38	6	6	0	22	23 7	14 14
Friday	2	306	6	30	6	6	0	22	24 7	14 33
Saturday	3	307	6	39	6	5	0	22	25 7	14 52
Sunday	4	303	6	10	6	5	0	22	26 7	15 11
Monday	5	309	6	40	6	4	0	22	27 7	15 29
Tuesday	6	310	6	41	6	4	0	22	28 7	15 48
Wednesday	7	311	6	41	6	4	0	22	0 1	16 6
Thursday	8	312	6	42	6	4	0	22	1 1	16 24
Friday	9	313	6	42	6	4	0	22	2 1	16 41
Saturday	10	314	6	43	6	3	0	23	3 1	16 58
Sunday	11	315	6	43	6	3	0	23	4 1	17 15
Monday	12	316	6	44	6	3	0	23	5 1	17 32
Tuesday	13	317	6	44	6	2	0	23	6 1	17 48
Wednesday	14	318	6	45	6	2	0	23	7 1	18 4
Thursday	15	319	6	45	6	1	0	23	8 1	18 20
Friday	16	320	6	46	6	1	0	23	9 1	18 35
Saturday	17	321	6	46	6	1	0	23	10 1	18 50
Sunday	18	322	6	47	6	0	0	23	11 1	19 5
Monday	19	323	6	48	6	0	0	23	12 1	19 19
Tuesday	20	324	6	48	6	0	0	24	13 1	19 33
Wednesday	21	325	6	49	6	0	0	24	14 1	19 47
Thursday	22	326	6	49	6	0	0	24	15 1	20 0
Friday	23	327	6	50	6	0	0	24	16 1	20 13
Saturday	24	328	6	51	6	0	0	25	17 1	20 26
Sunday	25	329	6	51	6	0	0	25	18 1	20 38
Monday	26	330	6	52	6	0	0	25	19 1	20 50
Tuesday	27	331	6	53	6	0	0	26	20 1	21 1
Wednesday	28	332	6	53	6	0	0	26	21 1	21 12
Thursday	29	333	6	54	6	0	0	26	22 1	21 23
Friday	30	334	6	54	6	0	0	27	23 1	21 33

Phases of the Moon—DECEMBER 31 Days

● New Moon

6th, 10h 55m P M

○ Full Moon

21st, 2h 23m A M

☾ First Quarter

13th, 4h 22m P M

☾ Last Quarter

29th, 7h 38m A M

Day of the Week	Day of the Month	Day of the Year	Indian Standard Time			Moon's Age at Noon	Sun's Declination at Mean Noon
			Sunrise A M	Sunset P M	True Noon P M		
			H M	H M	H M	D	S °
Saturday	1	335	6 55	6 0	0 28	24 1	21 43
Sunday	2	336	6 55	6 0	0 28	25 1	21 52
Monday	3	337	6 56	6 0	0 28	26 1	22 1
Tuesday	4	338	6 57	6 0	0 29	27 1	22 10
Wednesday	5	339	6 58	6 0	0 29	28 1	22 18
Thursday	6	340	6 59	6 1	0 30	29 1	22 25
Friday	7	341	6 59	6 1	0 30	0 6	22 33
Saturday	8	342	6 59	6 1	0 30	1 6	22 40
Sunday	9	343	7 0	6 1	0 31	2 6	22 46
Monday	10	344	7 0	6 2	0 31	3 6	22 52
Tuesday	11	345	7 1	6 2	0 32	4 6	22 57
Wednesday	12	346	7 2	6 3	0 32	5 6	23 2
Thursday	13	347	7 2	6 3	0 33	6 6	23 7
Friday	14	348	7 3	6 3	0 33	7 6	23 11
Saturday	15	349	7 3	6 4	0 34	8 6	23 15
Sunday	16	350	7 4	6 4	0 35	9 6	23 18
Monday	17	351	7 4	6 5	0 35	10 6	23 21
Tuesday	18	352	7 5	6 5	0 36	11 6	23 23
Wednesday	19	353	7 5	6 6	0 36	12 6	23 24
Thursday	20	354	7 6	6 6	0 37	13 6	23 26
Friday	21	355	7 7	6 7	0 37	14 6	23 27
Saturday	22	356	7 7	6 7	0 38	15 6	23 27
Sunday	23	357	7 8	6 8	0 38	16 6	23 27
Monday	24	358	7 8	6 9	0 39	17 6	23 26
Tuesday	25	359	7 9	6 9	0 39	18 6	23 25
Wednesday	26	360	7 9	6 9	0 40	19 6	23 23
Thursday	27	361	7 10	6 10	0 40	20 6	23 22
Friday	28	362	7 10	6 10	0 41	21 6	23 19
Saturday	29	363	7 11	6 10	0 41	22 6	23 16
Sunday	30	364	7 11	6 11	0 41	23 6	23 13
Monday	31	365	7 11	6 11	0 42	24 6	23 9

CALENDAR FOR 1935.

JANUARY

Sun		6	13	20	27	
M		7	14	21	28	
Tu	1	8	15	22	29	
W	2	9	16	23	30	
Th	3	10	17	24	31	
F	4	11	18	25		
S	5	12	19	26		

FEBRUARY

Sun		3	10	17	24	
M		4	11	18	25	
Tu		5	12	19	26	
W		6	13	20	27	
Th		7	14	21	28	
F	1	8	15	22		
S	2	9	16	23		

MARCH

Sun		3	10	17	24	31
M		4	11	18	25	
Tu		5	12	19	26	
W		6	13	20	27	
Th		7	14	21	28	
F	1	8	15	22	29	
S	2	9	16	23	30	

APRIL

Sun		7	14	21	28	
M	1	8	15	22	29	
Tu	2	9	16	23	30	
W	3	10	17	24		
Th	4	11	18	25		
F	5	12	19	26		
S	6	13	20	27		

MAY

Sun		5	12	19	26	
M		6	13	20	27	
Tu		7	14	21	28	
W	1	8	15	22	29	
Th	2	9	16	23	30	
F	3	10	17	24	31	
S	4	11	18	25		

JUNE

Sun		2	9	16	23	30
M		3	10	17	24	
Tu		4	11	18	25	
W		5	12	19	26	
Th		6	13	20	27	
F		7	14	21	28	
S	1	8	15	22	29	

JULY

Sun		7	14	21	28	
M	1	8	15	22	29	
Tu	2	9	16	23	30	
W	3	10	17	24	31	
Th	4	11	18	25		
F	5	12	19	26		
S	6	13	20	27		

AUGUST

Sun		4	11	18	25	
M		5	12	19	26	
Tu		6	13	20	27	
W		7	14	21	28	
Th	1	8	15	22	29	
F	2	9	16	23	30	
S	3	10	17	24	31	

SEPTEMBER

Sun	1	8	15	22	29	
M	2	9	16	23	30	
Tu	3	10	17	24		
W	4	11	18	25		
Th	5	12	19	26		
F	6	13	20	27		
S	7	14	21	28		

OCTOBER

Sun		6	13	20	27	
M		7	14	21	28	
Tu	1	8	15	22	29	
W	2	9	16	23	30	
Th	3	10	17	24	31	
F	4	11	18	25		
S	5	12	19	26		

NOVEMBER

Sun		3	10	17	24	
M		4	11	18	25	
Tu		5	12	19	26	
W		6	13	20	27	
Th		7	14	21	28	
F	1	8	15	22	29	
S	2	9	16	23	30	

DECEMBER

Sun	1	8	15	22	29	
M	2	9	16	23	30	
Tu	3	10	17	24	31	
W	4	11	18	25		
Th	5	12	19	26		
F	6	13	20	27		
S	7	14	21	28		

PREFACE



THE Editors have to thank many correspondents who during the past year have sent them suggestions for the improvement of this book. The Indian Year Book is intended above all to be a book of reference, and its completeness and convenience of arrangement must necessarily depend to a great extent on the part taken in its editing by the members of the public who most use it.

The help extended to the Editors by various officials, and more particularly by the Director of Information and Labour Intelligence, Bombay, and the Indian Commercial Intelligence Department, has again been readily given and is most gratefully acknowledged. Without such help it would be impossible to produce the Year Book with up-to-date statistics.

Suggestions for the improvement or correction of the Year Book may be sent to the Editors at any time, but those which reach them before January have a better chance of being adopted than later suggestions which only reach them after the work of revision has been partly completed.

The Times of India, Bombay,
April, 1934.

An Indian Glossary.

ABKARI—Excise of liquors and drugs
ACHHUT—Untouchable (Hindi, Asuddhar)
ACRRAGI CONTRIBUTION—Contribution paid by holders of land irrigated by Government
ADHIRAJ—Supreme ruler, overlord, added to "Maharaja," &c, it means "paramount"
AFSAR—A corruption of the English "officer"
AHIMSA—Non violence

AHLUWALIA—Name of a princely family resident at the village of Ahlu, near Lahore

AI—A timber tree **TERMINALIA TOMENTOSA**

AKALI—Originally, a Sikh devotee, one of a band founded by Guru Govind Singh (who died 1708) now, a member of the politico-religious army (*dal*) of reforming Sikhs

AKHARA—A Hindu school of gymnastics

AKHUNDZADA—Son of a Head Officer

ALJAH—Of exalted rank

ALIGHOL—Literally a Mahomedan circle A kind of athletic club formed for purposes of self-defence

ALI RAJA—Sen King (Laccadives)

AM—Mango.

AMIL—A name given in Sind to educated members of the Lohari community, a Hindu caste consisting principally of bankers, clerks and minor officials

AMIR (corruptly **EMIR**)—A Mohammedan Chief, often also a personal name

AMMA—A goddess, particularly Mariamma, goddess of small pox, South India

ANICUT—A dam or weir across a river for irrigation purposes, Southern India

ANJUMAN—A communal gathering of Mahomedans

APHUS—Believed to be a corruption of ALPHONSE, the name of the best variety of Bombay mango

ARZ, ARZI, ARZ-DASHT—Written petition

ASAF—A minister

ASPRISHYA—Untouchable (Sanskrit)

AUS—The early rice crop, Bengal, syn Ahu, Assam

AVATAR—An incarnation of Vishnu

AYURVEDA—Hindu science of Medicine

BABA—Lit "Father," a respectful "Mr" Irish "Your Honour"

BABU—(1) A gentleman in Bengal, corresponding to Pant in the Deccan and Konkan (2) Hence used by Anglo-Indians of a clerk or accountant Strictly a 5th or still younger son of a Raja but often used of any son younger than the heir, whilst it has also grown into a term of address = Esquire There are, however, one or two Rajas whose sons are known respectively as—1st Kunwar, 2nd, Diwan, 3rd, Chaker, 4th, Lal, 5th Babu

BABUL—A common thorny tree, the bark of which is used for tanning, *ACACIA AFRICA*

BADMASH—A bad character a rascal

BAGH—Tiger or Panther

BAGHI—(1) A native boat (Pagghol), (2) The common pond heron or pealdybird

BAHADUR—Lit 'brave' or 'warrior', a title used by both Hindus and Mohammedans often bestowed by Government, added to other titles, it increases their honour but alone it designates an inferior ruler

BAIRAGI—A Hindu religious mendicant

BAJRA OR **BAJRI**—The bulrush millet, a common food grain, *PERISTETUM TYPHOIDRUM*, syn cambu, Madras

BAKHSHI—A revenue officer or magistrate

BAKHSISH—Cherimiri (or Chiri miri) Tip

BAND—A dam or embankment (Bund)

BAKIDAR—Monkey

BANIAN—A species of fig-tree, *FICUS BENGALENSIS*

BARA SING—Swamp deer.

BARSAT—(1) A fall of rain, (2) the rainy season

BARSATI—Farcy (horse's disease)

BASTI—(1) A village, or collection of huts, (2) A Jain temple, Kanara

BATTA—Lit 'discount' and hence allowances by way of compensation

BATTAR—Duck

BAWARCHI—Cook in India, syn Mistri, in Bombay only

BAZAR—(1) A street lined with shops, India proper, (2) a covered market, Burma

BEGUM OR **BEGAM**—The feminine of "Nawab" combined in Bhopal as "Nawab Begum"

BFR—A thorny shrub bearing a fruit like a small plum, *ZIZYPHUS JUJUBA*

Note—According to the Hunterian system of transliteration here adopted the vowels have the following values—a either long as the a in 'father' or short as the u in 'cut,' e as the e in 'gain,' i either short as the i in 'bib,' or long as the ee in 'feel,' o as the o in 'bone,' u either short as the oo in 'good,' or long as the oo in 'boot,' ai as the i in 'mile,' au as the ou in 'grouse' This is only a rough guide The vowel values vary in different parts of India in a marked degree

BESAR—In Hindi (also Gujarati *Vesar*)—Woman's nose ring

BEWAR—Name in Central Provinces for shifting cultivation in jungles and hill-sides, syn *taungya*, Burma, *jhum*, North-Eastern India

BHADOI—Early autumn crop, Northern India reaped in the month Bhadon

BHAGAT OR BHAKTA—A devotee

BHAG-BATAI—System of payment of land revenue in kind

BHAIBAND—Relation or man of same caste or community

BHAIBANDI—Nepotism

BHANGI—Sweeper, scavenger

BHANG—The dried leaves of the hemp plant, *CANNABIS SATIVA*, a narcotic

BHANWAR—Light sandy soil, syn *bhur*

BHANWARAL—Title of heir apparent in some Rajput States

BHARAL—A Himalayan wild sheep, *OVIS NAHURA*

BHARAT—India

BHARATA-VARSHA—India

BHENDI—A succulent vegetable (*HIBISCUS FSOULENTUS*)

BHONSLE—Name of a Maratha dynasty

BHUP—Title of the ruler of Cooch Behar

BHUGTI—Name of a Baluch tribe

BHUSA—Chaff, for fodder

BHUT—The spirit of departed persons

BIDRI—A class of ornamental metalwork in which blackened pewter is inlaid with silver, named from the town of Bidar, Hyderabad

BIGHA—A measure of land varying widely, the standard *bigha* is generally five eighths of an acre "*Vigha*" in Gujarat and Kathiawar

BHISHTI—Commonly pronounced "*Bhishti*" Water carrier (lit "man of heaven")

BIR (*BID*)—A grassland—North India, Gujarat and Kathiawar Also "*Vidi*"

BLACK COTTON SOIL—A dark-coloured soil very retentive of moisture, found in Central and Southern India

BOARD OF REVENUE—The chief controlling revenue authority in Bengal, the United Provinces and Madras

BOHRA—A sect of Ismaili Shia Musalmans, belonging to Gujarat

BOR—See *BER*

BFINJAL—A vegetable, *SOLANUM MELONGENA*, syn egg-plant

BUND—Embankment

BUNDER, or bandar—A harbour or port Also "*Monkey*"

BURJ—A bastion in a line of battlements

CADJAN—Palm leaves used for thatch

CHABUK—A whip

CHABUTRA—A platform of mud or plastered brick, used for social gatherings, Northern India

CHADAR—A sheet worn as a shawl by men and sometimes by women (*Chudder*)

CHAITYA—An ancient Buddhist chapel

CHAMBHAR (*OHAMAR*)—"Cobbler", "Shoe maker" A caste whose trade is to tan leather

CHAMPAK—A tree with fragrant blossoms, *MICHELIA CHAMPACA*

CHANA—Gram

CHAND—Moon

CHANDI—(pron with soft d) Silver Chandi (with palatal and short a)—Goddess Durga

CHAPATI—A cake of unleavened bread

CHAPRASI—An orderly or messenger, Northern India, syn *patwala*, Bombay, *peon*, Madras

CHARAS—The resin of the hemp plant *CANNABIS SATIVA*, used for smoking

CHARKHA—A spinning wheel

CHARPAI (*charpoy*)—A bedstead with four legs, and tape stretched across the frame for a mattress

CHAUDHRI—Under native rule, a subordinate revenue official, at present the term is applied to the headman or representative of a trade guild

CHAWK, CHOWK—A place where four roads meet

CHAWKIDAR—The village watchman and rural policeman

CHAUTH—The fourth part of the land revenue, exacted by the Marathas in subject territories

CHAVRI (*CHORO GUJARATI*)—Village headquarters

CHEETAH—Hunting leopard

CHELA—A pupil, usually in connexion with religious teaching

CHHAONI—A collection of thatched huts or barracks, hence a cantonment

CHHATRAPATI—One of sufficient dignity to have an umbrella carried over him

CHHATRI—(1) An umbrella, (2) domed building such as a cenotaph

CHIEF COMMISSIONER—The administrative head of one of the lesser Provinces in British India

CHIKOR—A kind of partridge, *CACCABIS CHUCAR*

CHIKU—The Bombay name for the fruit of *ACHRAS SAPOTA*, the *Sapodilla* plum of the West Indies

CHINAR—A plane tree, *PLATANUS ORIENTALIS*

CHINKARA—The Indian gazelle, *GAZELLA BENNETTI*, often called 'ravine deer'

- CHITAI**—The spotted deer, *Cervus Axis*
- CHODDAR**—Mace bearer whose business is to announce the arrival of guests on state occasions
- CHORAM**—Name in Southern India for the large millet, *Andropogon Sorghum*, syn *Jwar*
- CHORI**—A kind of short bodice worn by women
- CHOWKIT**—Tly whisk
- CHUNAM**, *china*—Lime plaster.
- CIRCLE**—The area in charge of—(1) A Conservator of Forests, (2) A Postmaster or Deputy Postmaster General, (3) A Superintending Engineer of the Public Works Department
- CIVIL SURGEON**—The officer in medical charge of a District
- COGNIZANCE**—An offence for which the culprit can be arrested by the police without a warrant
- COLLECTOR**—The administrative head of a District in Bengal, Bombay, Madras, etc. Syn Deputy Commissioner
- COMMISSIONER**—(1) The officer in charge of a Division or group of Districts, (2) the head of various departments, such as Stamps, Excise etc
- COMPOUND**—The garden and open land attached to a house. An Anglo Indian word perhaps derived from 'kumpan', a hedge
- CONSERVATOR**—The Supervising Officer in charge of a Circle in the Forest Department
- COUNCIL BILLS**—Bills or telegraphic transfers drawn on the Indian Government by the Secretary of State in Council
- COUNT**—Cotton yarns are described as 20's, 30's, etc., counts when not more than a like number of hanks of 840 yards go to the pound avoirdupois
- COURT OF WARDS**—An establishment for managing estates of minors and other disqualified persons
- CRORE**, *karor*—Ten millions
- DADA**—Lit "grandfather" (paternal), any venerable person. In Bombay slang a "hooll gan boss"
- DAIFADAR**—A non commissioned native officer in the army or police
- DATTAR**—Office records
- DAFTARI**—Record-keeper
- DAH OR DAO**—A cutting instrument with no point, used as a sword, and also as an axe, Assam and Burma
- DAK (dawk)**—A stage on a stage coach route. Dawk bungalow is the travellers' bungalow maintained at such stages in days before railways came
- DAKAITY, DAKOITY**—Robbery by five or more persons
- DAL**—(Pron with dental d and short a) "Army," hence any disciplined body, *eg*, Akali Dal, Seva Dal
- DAL**—A generic term applied to various pulses
- DAM**—An old copper coin, one-fortieth of a rupee
- DARBAR**—(1) A ceremonial assembly, especially one presided over by the Ruler of a State, hence (2) the Government of a Native State
- DARGAH**—A Mahomedan shrine or tomb of a saint
- DARI**, *Dhurrie*—A rug or carpet, usually cotton, but sometimes of wool
- DARHAST**—A letter or application to a landlord
- DAROGHA**—The title of officials in various departments, now especially applied to subordinate controlling Officers in the Police and Jail Departments
- DARSHA**—Lit "to see" To go to a temple to get a sight of the idol is to make "darshan". Also used in case of great or holy persons
- DARWAZA**—A door keeper
- DARWAZA**—A gateway
- DASTURI**—Customary, perquisite
- DATTIA AND DATTAT**—State
- DEN**—A Brahminical priestly title, taken from the name of a divinity
- DEHOTTA**—Land assigned for the upkeep of temples or maintenance of Hindu worship
- DEODAR**—A cedar, *Cedrus Deodari* or *DEODAR*
- DEPUTY COMMISSIONER**—The Administrative head of a District in the Punjab, Central Provinces, etc. Syn Collector
- DEPUTY MAGISTRATE AND COLLECTOR**—Subordinate of the Collector, having executive and judicial (revenue and criminal) powers equivalent to Extra Assistant Commissioner in non regulation areas
- DIFA**—Tent in N India
- DIFASAR**—Jain Temple
- DISAI**—A revenue official under native (Maratha) rule
- DISH**—(1) Native country, (2) the plains opposed to the hills, Northern India, (3) a plateau of the Deccan above the Ghats
- DISH BHAKTA**—Patriot
- DISHI**—Indigenous, opposed to blades foreign
- DISHMUKH**—A petty official under native (Maratha) rule
- DISH SRVIKA**—Servant (Fem) of the count. Female Volunteer in the Civil Disobedience movement
- DEVA**—A deity
- DEVADASI**—A girl dedicated to temple God. Murl in Maharashtra
- DEVASTHAN**—Land assigned for the upkeep of a temple or other religious foundation
- DEWAN**—A Vizier or other First Minister, an Indian Chief, either Hindu or Mohammedan and equal in rank with "Sardar" under whom see other equivalents. The term is also used of a Council of State
- DHAK**—A tree, *Butea Frondosa*, with brilliant orange-scarlet flowers used for dyeing and also producing a gum, syn *palas*, Ben and Bombay. Chhul, Central India, "K khro" in Gujarat and Kathiawar

DHAMNI—A heavy shighram or tonga drawn by bullocks

DHARALA—Bhil, Koli, or other warlike castes carrying sharp weapons

DHARVA—Religion (Hindu)

DHARMSALA—A charitable institution provided as a resting-place for pilgrims or travellers, Northern India

DHATURA—A stupefying drug, **DATURA** **FSTUOSA**

DHED—A large untouchable caste in Gujarat, corresponding to Mahir in Maharashtra and Soliya in Karnatak

DHENKLI—Name in Northern India for the ever used in raising water, syn picottah

DHOBI—A washerman

DHOTI—The loincloth worn by men

DIY—Religion (Mahomedan)

DISTRICT—The most important administrative unit of area

DIVISION—(1) A group of districts for administrative and revenue purposes, under a Commissioner, (2) the area in charge of a Deputy Conservator of Forests, usually corresponding with a (revenue) District, (3) the area under a Superintendent of Post Offices, (4) a group of (revenue) districts under an Executive Engineer of the Public Works Department

DIWAN (SIKH)—Communal Gathering

DIWALI—The lamp festival of Hindus

DIWANI—Civil, especially revenue, administration, now used generally in Northern India of civil justice and Courts

DOAB—The tract between two rivers, especially that between the Ganges and Jumna

DOM—Untouchable caste in Northern India

DRUG—A hill-fort, Mysore

DRY DROF—A crop grown without artificial irrigation

DRY RATE—The rate of revenue for unirrigated land

DUN—(Pron "doon") A valley, Northern India

EKKA—A small two-wheeled conveyance drawn by a pony, Northern India

ELCHI, ELAONI—Cardamom

ELCHI (Turk)—Ambassador

ELAYA RAJA—Title given to the heir of the Maharaja of Travancore or Cochin

EXTRA ASSISTANT COMMISSIONER—See Deputy Magistrate and Collector.

FAKIR—Properly an Islamic mendicant but often loosely used of Hindu mendicants also

FAMINE INSURANCE GRANT—An annual provision from revenue to meet direct famine expenditure, or the cost of certain classes of public works, or to avoid debt

FARMAN—An imperial (Mughal) order or grant

FARZAND—It means "child" with the defining words added such as "Farzand-e-dilband" in the case of several Indian Princes it means beloved, favourite, etc

FARZANDARI or FARZANDARI—A kind of land tenure in Bombay City

FASLI—Era (solar) started by Akbar, A C minus 572-3

FATEH—"Victory"

FATEH JANG—"Victorious in Battle" (a title of the Nizam)

FATWA—Judicial decree or written opinion of a doctor of Muslim law

FAUJDARI—Relating to a criminal court, criminal proceedings

FAUJDARI—Under native rule, the area under a Faujdar or subordinate governor, now used generally of Magistrates' Criminal Courts

FINANCIAL COMMISSIONER—The chief controlling revenue authority in the Punjab, Burma and the Central Provinces

FITTON GARI—A phaeton, Bombay Derived from the English

GADDI, Gadi—The cushion or throne of (Hindu) royalty

GAEKWAR (sometimes **GUICOWAR**)—Title with "Maharaja" added of the ruler of Baroda. It was once a caste name and means "cow-herd," i.e., the protector of the sacred animal, but later on, in common with "Holkar" and "Sindhia," it came to be a dynastic appellation and consequently regarded as a title. Thus, a Prince becomes "Gaeikwar" on succeeding to the estate of Baroda, "Holkar," to that of Indore and "Sindhia," to that of Gwalior

(All these are surnames of which Gaeikwar and Shinde are quite common among Marathas—and even Mahars)

GANJA—The unfertilised flowers of the cultivated female hemp plant **CANNABIS SATIVA** used for smoking

GAUR—Wild cattle, commonly called 'blison' **BOS GAURUS**

GAYAL—A species of wild cattle, **BOS FRONTALIS**, domesticated on the North-East Frontier, syn mithan

GHADR—Mutiny, Revolution

GHAPRIE (GARI)—A carriage, cart

GHAT, Ghaut—(1) A landing-place on a river, (2) the bathing steps on the bank of a tank, (3) a pass up a mountain, (4) in European usage, a mountain range. In the last sense especially applied to the Eastern and Western Ghats

GHATWAL—A tenure holder who originally held his land on the condition of guarding the neighbouring hill passes (ghats), Bengal

GHAYI—One who engaged in "Ghazy," a holy War, i.e., against kafirs.

GHI, Ghee—Clarified butter

GINGFLY—See **TIL**

GODOWN—A store room or warehouse. An Anglo Indian word derived from the Malay "gadang"

GOPĪ—Cowherd girl The dance of the youthful Krishna with the Gopis is a favourite subject of paintings

GOPURAM—A gateway, especially applied to the great temple gateways in Southern India

GOSAIN, Goswami—A (Hindu) devotee, lit one who restrains his passions

GOSHA—Name in Southern India for 'parda' women 'lit the word "Goshi" means corner or seclusion "one who sits in" is the meaning of the word "Nashin" which is usually added to "Gosha" and "Parda" e.g., Goshanashin Pardanashin

GRAM—A kind of pea, *CICER ARIETINUM* In Southern India the pulse *DOLICHOS BIFLORUS* is known as horse gram

GRANTHA-SANEH—Sikh holy book

GUNJ—The red seed with a black 'eye' of *ABRUS PRECATORIUS*, a common wild creeper used as the official weight for minute quantities of opium 96th of a *TOLA*

GUP, OR GUP SHUP—Tittle tattle

GUR, Goor—Crude sugar, syn jaggery, Southern India, tanyet, Burma

GURAL—A Himalayan goat antelope *CEMA GORAL*

GURDWARA—A Sikh Shrine

GURU—(1) A Hindu religious preceptor, (2) a schoolmaster, Bengal

HABSHI—Literally an Abyssinian Now a term for any one whose complexion is particularly dark

HADITH—(commonly pronounced "Hadis") Tradition of the Prophet

HAFIZ—Guardian, one who has Quran by heart

HAJ—Pilgrimage to Mecca

HAJAM, HAJJAM—A barber

HAJI—A Mahomedan who has performed the haj He is entitled to dye his beard red

HAKIM—A native doctor practising the Mahomedan system of medicine

HAKIM (with long a)—Governor, ruler

HALAL—Lawful (from Islam point of view) Used of meat of animal ceremoniously slaughtered with a sawing motion of the knife of "Jhatka"

HALALKHOR—A sweeper or scavenger, lit one to whom everything is lawful food

HALI—Current Applied to coin of Native States, especially Hyderabad

HAMAL—(1) A porter or cooly, (2) a house servant

HAQ—A right

HARIJAN—Untouchables The term originally means "the people of God" According to Mr Gandhi the term was suggested by certain of the class themselves who did not care for the description of "untouchable", and it was copied from the example of a poet of Gujarat

HEJRA (HJRAH)—The era dating from the flight of Mahomed to Mecca, June 20th, 622 A D

HEERA LAL—A Hindu name ('Hira' is diamond and 'Lal' is ruby)

HILSA—A kind of fish *CLUPEA ILISHA*

HOONDI, HUNDI—A draft (banking)

HOLKAR—See "Gaekwar"

HRI—An iron pinnacle placed on a pagoda in Burma

PUKKA, HOOKAH—The Indian tobacco pipe

HUKM—An order

HUNDI—A bill of exchange

INDAH—An enclosed place outside a town where Mahomedan services are held on festivals known as the Id etc

ILAKHF—A department (Ilakha in Marathi and Gujarati languages means Presidency)

IMAM—The layman who leads the congregation in prayer Mahomedan

INAM—Lit 'reward' Hence land held revenue free or at a reduced rate, often subject to service See *DIVASTHAN, SAPANJAM, WATAN*

INUNDATION CANAL—A channel taken off from a river at a comparatively high level, which conveys water only when the river is in flood

IZZAT—Prestige

JACK FRUIT—Fruit of *ARTOCARPUS INTF-GRIFOLIA*, var *PHANAS*

KACHCHA—Unripe, mud-bult, inferior

JAGGERY, Jagri—Name in Southern India for crude sugar, syn gur

JAGIR—An assignment of land, or of the revenue of land held by a Jagirdar

JAIN—A term denoting dignity, applied to highest class nobles in Hyderabad State

JAM (Sindhi or Baluch)—Chief. Also the Jam of Nawabgarh

JAMABANDI—The annual settlement made under the ryotwari system

JAMADAR—A native officer in the army or police

JANGAMA—A Lingayat priest

JANTI—Distrain, attachment, corrupt of "Zabli"

JATHA—An association

JATEA—Pony-cart, South India

JAZIRAT-UL-ARAB—The Sacred Island of Arabia, including all the countries which contain cities sacred to the Mahomedans Arabia, Palestine and Mesopotamia

JHATKA—"Stroke", used of meat of animal slaughtered with a stroke as opposed to "Halal" s v

JHIL—A natural lake or swamp, Northern India, syn bil, Eastern Bengal and Assam

JIHAD—A religious war undertaken by Musalmans

JIRGA—A council of tribal elders, North-West frontier

JOGI (Yogi)—A Hindu ascetic

JOSHI—Village astrologer

JOWAR—The large millet, a very common food-grain, *ANDROPOGON SURGHUM*, or *SORGUM VULGARE*, syn cholam and jola, in Southern India

JUDI—A revenue term in S Division of the Bombay Presidency

JUDICIAL COMMISSIONER—An officer exercising the functions of a High Court in the Central Provinces, Oudh, and Sind

KACHCHA—Unripe, mud bult, inferior

KACHERI, kachahri—An office or office building, especially that of a Government official

KADAN, karbi—The stalk of jowari (q v)—a valuable fodder

KAFIR—Infidel, applied by Muslims to all non-Muslims

KAJU, *kashew*—The nut of *ANACARDIUM OCCIDENTALE*, largely grown in the Konkan.

KAKAR—The barking deer, *CERVULUS MUNTJAO*.

KAKRI—Cucumber

KALAR, *kallar*—Barren land covered with salt or alkaline efflorescences, Northern India.

KALI-YUGA—The Iron age (short a)

KALI—

KALI—Popular goddess, consort of Shiva } (long a)

KALI—Black soil

KALIMA—The Mahomedan Confession of faith

KAMARBAND, *Cummerbund*—A waistcloth, or belt

KANAT—The wall of a large tent "Kanat" (in Persia)—Underground Canal

KANGAR—A kind of portable warming-pan, carried by persons in Kashmir to keep themselves warm

KANKAR—Nodular limestone, used for metal-ling roads, as building stones or for preparation of lime

KANS—A coarse grass which spreads and prevents cultivation especially in Bundelkhand

SACCHARUM SPONTANEUM

KANUNGO—A Revenue Inspector

KAPAS—Cotton

KARAIT—A very venomous snake, *BUNGARUS CANDIDUS* or *CAERULEUS*

KARDHARI—A manager Also Dewan in smaller States in Maharashtra and Gujarat

KAREZ—(Persian 'Kanat') Underground tunnels near the skirts of hills by which water is gradually led to the surface for irrigation, especially in Baluchistan

KARKUN—A clerk or writer, Bombay

KARMA—The doctrine that existence is conditioned by the sum of the good and evil actions in past existences

KARNAM—See **PATWARI**

KARTOOS—A cartridge

KAS—The five "Kas" which denote the Sikh are *Kes*, the uncut hair, *Kachh*, the short drawers, *Kara*, the iron bangle, *Kirpan*, the steel knife, and *Kangha*, the comb

KASAI—A butcher

KAZI—Better written *Qazi*—Under native rule, a judge administering Mahomedan law Under British rule, the *kazi* registers marriages between Mahomedans and performs other functions, but has no powers conferred by law

KHARITA—Letter from an Indian Prince to the Governor-General

KHABARDAR—Beware

KHADI (or **KHADDER**)—Cotton cloth hand-woven from hand-spun yarn

KHALASI—A native fireman, sailor, artilleryman, or tent-pitcher

KHALSA—Lit 'pure' (1) Applied especially to themselves by the Sikhs, the word *Khalisa* being equivalent to the Sikh community, (2) land directly under Government as opposed to land alienated to grantees, etc., Northern India, and Deccan

KHAN—Originally the ruler of a small Mohammedan state, now a nearly empty title though prized It is very frequently used rather as *part* of a name, especially by Afghans and Pathans

KHANDI, *candy* A weight especially used for cotton bales in Bombay, equivalent to 20 mds

KHANSAMA—A butler

KHARAB—Also "Kharaba" In Bombay of any portion of an assessed survey No which being uncultivable is left unassessed

KHARGOSH—Hare

KHARIF—Any crops sown just before or during the main S W monsoon

KHAS—Special, in Government hands **Khas tahasildar**, the manager of a Government estate

KHASADAR—Local levies of foot soldiers, Afghanistan or N W Frontier

KHAS-KHAS, *Kus-Kus*—A grass with scented roots, used for making screens which are placed in doorways and kept wet to cool a house by evaporation, *ANDROPOGON SQUARROSUS*

KHEDDA, *kheda*—A stockade into which wild elephants are driven, also applied to the operations for catching

KHICHADI, *kejjeer*—A dish of cooked rice and other ingredients, and by Anglo-Indians specially used of rice with fish

KHILAT—A robe of honour

KHUTBA—The weekly prayer for Mahomedans in general and for the reigning sovereign in particular

KHWAJA—A Persian word for "master," sometimes a name

KINCOB, *kamkhwab*—Silk textiles brocaded with gold or silver

KIRPAN—A Sikh religious emblem, a sword

KISAN—Agriculturist, used in North India "Ryot" in Maharashtra, etc

KODALI Also "Kudali"—The implement like a hoe or mattock in common use for digging, syn *mamuti*, Southern India

KONKAN—The narrow strip of low land between the Western ghats and the sea

KOS—A variable measure of distance usually estimated at about two miles The distance between the kos-minars or milestones on the Mughal Imperial roads averages a little over 2 miles, 4 furlongs, 150 yards Also means the leathern water-lift drawn by bullocks in Gujarat and Kathiawar

KOT—Battlements

KOTHI—A large house

KOTWAL—The head of the police in a town, under native rule The term is still used in Hyderabad and other parts of India

KOTWALI—The chief police station in a head-quarters town

KUCHA BANDI—A barrier or gateway erected across a lane

KUFFR—Infidelity, unbelief in the Quran and the Prophet

KULKARNI—See **PATWARI**

KUMBHAR—The great fair at Hardwar, so called because when it is held every 12 years Jupiter and Sun are in the sign Kumbhar, (Aquarius)

KUMBHAR—(M) A potter. U. "Kumhar"

KURMI—An agriculturist (Kanbi in Gujarat Kurmi in N India)

KURWAR OR KUMAR—The heir of a Raja (1 very son of any chief in Gujarat and Kathiawar)

KURAN—A big grass land growing grass fit for cutting

KUSHTI (U), **KUSTI** (M)—Wrestling

KYARI—Land embanked to hold water for rice cultivation

KYAUO—A Buddhist monastery, which always contains a school, Burma

LAKH, lac—A hundred thousand

LAL—A younger son of a Raja (strictly 3rd son, but see under "Babu")

LAMBARDAR—The representative of the co-shares in a zamindari village, Northern India

LANGUR—A large monkey, *SPHENOITHROCE ENTELLUS*

LASGAR, correct *lashkar*—(1) an army, (2) in English usage an Indian sailor

LAT—A monumental pillar "Lat Hindustani corruption of 'Lord' eg, 'Bura Lat'—Viceroy, 'Jangi Lat'—Commander in Chief, 'Chhota Lat'—Governor

LATFRITE—A vesicular material formed of disintegrated rock, used for buildings and making roads, also probably valuable for the production of aluminium Laterite produces a deep brick-red soil

LINGAM—The phallic emblem, worshipped as the representative of Shiva

LITCHI—A fruit tree grown in North India (*LITCHI CHINENSIS*)

LOKAMANYA—(Lit) Esteemed of the people A national hero

LOKENDRA OR LOKENDRA—"Protector of the World," title of the Chiefs of Dholpur and Datia

LONGYI—A waistcloth, Burma

LOTA—A small brass water-pot

LUNGI, loongi—A cloth (coloured dhoti) simply wound round the waist

MADRASA—A school especially one for the higher instruction of Mohammedans

MAHAJAN—The guild of Hindu or Jain merchants in a city The head of the Mahajan is the Nagarsheth (q v)

MAHAL—(1) Formerly a considerable tract of country, (2) now a village or part of a village for which a separate agreement is taken for the payment of land revenue, (3) a department of revenue, eg, right to catch elephants, or to take stone, (4) in Bombay a small Taluka under a MAHALKARI

MAHANT—The head of a Hindu conventual establishment

MAHARAJA—The highest of hereditary rulers among the Hindus or the royal distinction conferred by the British Government on a ruler. The Maharaja is a title of nobility of the Maharaja class. (See also MAHARAJA MAHARAJA)

MAHARAJ KUMAR—A prince's son

MAHATMA—(H) A great soul, applied to men who have attained the highest of the flesh and the soul

MAHAPATRAKAR—A high official in the court of the Maharaja

MAHARAJA MAHARAJA—A large cap (BARRER FOR HLT "the big-headed")

MAHRA—A tree (*BACCA RATIHOIA*), producing flowers and (when dried) as food or for distilling liquor, and seeds which furnish oil

MAHURAT—The 12th day of the month fixed by astrology, for an important undertaking

The word in Sanskrit and Marathi is "Mahur" In Gujarati "Murrat" or "Murrat"

MAIDAN—An open space of level ground, the park at Calcutta

MAL—A bird

MAJOR WORKS—Irrigation works for which separate accounts are kept of capital, revenue and interest

MAJUR—A labourer (in Bombay)

MAKTAB—An elementary Mohammedan school

MAIGUZAR (revenue payer)—(1) The term applied in the Central Provinces to a co-sharer in a village held in ordinary proprietary tenure, (2) a cultivator in the Chamba State

MAITA—Licence, monopoly

MAITADAI—A licensee, monopolist

MALI—A gardener

MAITIK—Master, proprietor

MAMLATDAR (Mar "Mamledar")—The officer in charge of a taluka, Bombay, whose duties are both executive and magisterial, syn tahasildar Mar "Mamledar")

MANDAP, or mandapam—A porch or pillared hall, especially of a temple

MANGOSTEEN—The fruit of *GARCINIA MANGOS TANA*

MARI—A Baluch tribe (Bhugtis and Maris generally spoken of together)

MALIKHOR—A wild goat in North-Western India, *CAPRA FALCONERI*

MASJID—A mosque Jama Masjid, the principal mosque in a town, where worshippers collect on Fridays

MASNAO—Seat of state or throne, Mahomedan, syn gaddi

MATH—A Hindu conventual establishment

MAULANA—A Mahomedan skilled in Arabic and religious knowledge

MAULVI—A person learned in Muhammadan law

MAUND, ver Man—A weight varying in different localities. The Ry maund is 80 lbs

MAYA—Sanskrit term for "cosmic illusion" Vedanta philosophy

MEHEL or **MAHAL**—A palace

MELA—A religious festival or fair

MIAN—Title of the son of a Rajput Nawab resembling the Scottish "Master"

MIHRAB—The niche in the centre of the eastern wall of a mosque

MIMBAR—Steps in a mosque, used as a pulpit

MINAR—A pillar or tower

MINOR WORKS—Irrigation works for which regular accounts are not kept, except, in some cases, of capital

MIR—A leader, an inferior title which, like Khan, has grown into a name, especially used by descendants of the Chiefs of Sind

MIRZA—If prefixed, "Mr" or "Esquire"

MOFUSSIL—See **MUFFASSAL**

MISTRI—(1) a foreman, (2) a cook

MOHUR—A Gold coin no longer current, worth about Rs 16

MOLESALAM—A class of land holding Rajput fusalmans in Gujarat who have retained Hindu names and customs

MONG, **MOUNG**, or **MAUNG** (Arakanese)—leader

MORA—Stool

MONSOON—Lit Season, and specifically (1) The S W Monsoon, which is a Northward extension of the S E trades, which in the Northern Summer cross the equator and circulate into and around the low pressure area over North India, caused by the excessive heating of the land area, and (2) The N E Monsoon, which is the current of cold winds blowing down during the Northern winter from the cold land areas of Central Asia, giving rain in India only in S E Madras and Ceylon through moisture acquired in crossing the Bay of Bengal, and passing across the equator into the low pressure areas of the Australasian Southern summit

MOPLAH (Mappila)—A fanatical Mahomedan sect in Malabar

MOULVI or **MAULVI**—A learned Musalman or Muslim teacher

MUDALIYAR or **MUD-LIAR**—A personal proper name, but implying "steward of the lands"

MUEZZIN—Person employed to sound the Mahomedan call to prayer

MUFFASSAL, **mofussil**—The outlying parts of a District, Province or Presidency, as distinguished from the headquarters (Sadri)

MUJAWAR—Custodian of Musalman sacred place, especially Saint's tomb

MUJTAHID—Lit One who wages war against infidels. Learned Mahomedan Generic name given to custodian of Mahomedan sacred places in some parts

MUKADAM—Chief, leader, in Bombay, leader of coolie gang, also one employed by a merchant to superintend landing or shipment of goods.

MUKHTAR (corruptly **mukhtiar**)—(1) A legal practitioner who has not got a sanad and therefore cannot appear in court as of right, (2) any person holding a power of attorney on behalf of another person

MUKHTIARKAR—The officer in charge of a taluka, Sind, whose duties are both executive and magisterial, syn **tahasildar**

MUKTI, 'release'—The perfect rest attained by the last death and the final reabsorption of the individual soul into the world soul, syn **NIRVANA**, **MOKSHA**

MUMTAZ-UD-DAULA—Distinguished in the State **MULK**, in the country

MUNG, **mug**—A pulse, **PHASEOLUS RADICATUS** syn **mag** Gujarat

MUNJ—(1) A tall grass (**SACCHARUM MUNJA**) in North India, from which mats are woven, and the Brahman sacred thread worn, (2) In Maharashtra "munj" means the thread ceremony

MUNSHI—A teacher of Hindustani or any Perso-Arabian language President or presiding official Also Secretary or writer

MUNSIF—Judge of the lowest Court with civil jurisdiction

MURLI (**DEVADASI**)—A girl dedicated to a God or temple

MURUM, **moorum**—Gravel and earth used for metalling roads

MUSALMAN, **Muslim**, **Momin** (plural **Mominin**)—The names by which Mahomedans describe themselves "Momin" is also name of a particular caste of Muhamadans in Gujarat, also called "Mumnas"

MYOWUN—"Mr"

NAOHANI, **NAGLI**—See **RAGI**

NAGARKHANA, **Nakkarkhana**—A place where drums are beaten

NAGARSHETH—The head of the trading guild of Hindu and Jain merchants in a city

NAIB—Assistant or Deputy

NAIK—A leader, hence (1) a local chieftain in Southern India, (2) a native officer of the lowest rank (corporal) in the Indian army (In Bombay a head peon)

NAT—A demon or spirit, Burma

NAWAB—A title borne by Musalmans, corresponding roughly to that of Raja among Hindus. Originally a Viceroy under the Moghal Government, now the regular leading title of a Mohammedan Prince, corresponding to "Maharaja" of the Hindu

NAWABZADA—Son of a Nawab

NAZAR, **nazarana**—A due paid on succession or on certain ceremonial occasions

NAZIM—Superintendent or Manager

NET ASSETS—(1) In Northern India, the rent or share of the gross produce of land taken by the landlord, (2) in Madras and Lower Burma, the difference between the assumed value of the crop and the estimate of its cost of production

NEWAR—Broad webbing woven across bedsteads instead of iron slabs

NGAPI—Pressed fish or salted fish paste largely made and consumed in Burma

NILGAO—Blue Bull A large antelope

NIM, neem—A tree, *MELIA AZADIRACHTA* the berries of which are used in dyeing

NIRVANA—See **MUKTI**

NIKAH—Muslim legal marriage

NISHAN—Sign, Sacred Symbol carried in a procession

NIZAM—The title of the ruler of Hyderabad, the one Mohammedan Prince superior to Nawab

NIZAMAT—A sub division of a Native State, corresponding to a British District, chiefly in the Punjab and Bhopal

NON-AGRICULTURAL ASSESSMENT—Enhanced assessment imposed when land already assessed as agricultural is diverted to use as a building site or for industrial concerns

NON-COGNIZABLE—An offence for which the culprit cannot be arrested by the police without a warrant

NONO (Thibetan)—The ruler of Spitta

NON-OCCUPANCY TENANTS—A class of tenant, with few statutory rights, except in Oudh, beyond the terms in their leases or agreements

NON-REGULATION—A term formerly applied to certain Provinces to show that the regulations or full code of legislation was not in force in them

NULLAH, NALA—A ravine, watercourse, or drain

OCCUPANCY TENANTS—A class of tenants with special rights in Central Provinces, in United Provinces

PADAUK—A well-known Burmese tree (*PTEROCARPUS* sp.) from the behaviour of which the arrival of the monsoon is prognosticated

PADDY—Unhusked rice

PAGA—(Persian Paigah) troop of horses among the Marathas

PAGI—A tracker of thieves of strayed or stolen animals

PAHAR—A mountain

PAIGAH—A tenure in Hyderabad State (Lit Jagir for maintaining "Paigah," i.e., mounted troops)

PAIK—(1) A foot soldier, (2) in Assam formerly applied to every free male above sixteen years

PAILI—A grain measure

PAILWAN, PAHLWAN—Professional Wrestler

PAIREE—The name of the second best variety of Bombay mango, distinguishable from the *APHUS* (q v) by its pointed tip, and by the colour being less yellow and more green and red

PAKKA, PUCCA—Ripe, mature, complete

PALAS—See **DHAK**

PALEI—A palanquin or litter

PAN—The betel vine, **PIPE BETEL**

PANCHAMA—Low caste, Southern India

PANCHAYAT—(1) A committee for management of the affairs of a caste, village, or town, (2) arbitrators Theoretically the panchayat has five (panch) members

PANDA—A Hindu priest, especially at holy places

PANDIT—A Hindu title, strictly speaking applied to a person versed in the Hindu scriptures, but commonly used by Brahmans In Assam applied to a grade of Inspectors of primary schools

PANSUPARI—Distribution of **PAN** and **SUPARI** (q v) as a form of ceremonial hospitality

PAPAIYA—Fruit-tree or its fruit *Pawpaw Carica Papaya*.

PARAB—A public place for the distribution of water, maintained by charity

PARABADI—A platform with a smaller platform like a dovecot on a centre pole or pillar built and endowed or maintained by charity, where grain is put every day for animals and birds

PARDA, purdah—(1) A veil or curtain, (2) the practice of keeping women secluded, syn *gosha*

PARDANASHIN—Women who observe *purdah*

PARDESI—Foreign Used in Bombay especially of Hindu servants, sycas, &c., from Northern India

PARGANA—Fiscal area or petty sub division of a tahsil in Northern India

PASHM—The fine wool of the Tibetan goat, Hence Pashmina cloth

PASHTO, PUSHTO—Language of the Pathans

PASO—A waistcloth

PAT, put—A stretch of firm, hard clay Desert

PATIL—A village headman, Central and Western India, syn *reddi*, Southern India, *gaonbura*, Assam, *padhan* Northern and Eastern India *Mukhi*, Gujarat (*Patil* in *Maha rashtra*)

PATIDAR—A co sharer in a village, Gujarat

PATAWALLA—See **CHAPRASI**

PATWARI—A village accountant, syn *karnam*, Madras, *kulkarni*, Bombay Deccan, *talati*, Gujarat, *shambhog*, Mysore, *Kanara* and *Coorg*, *mandal*, Assam, *tapedar*, Sind

PEON—See **CHAPRASI**

PESHKAR—One who brings forward, submits papers, etc., personal clerk

PESHKASH—A tribute or offering to a superior

PILAO (pulav)—A dish of rice and other ingredients, and by Anglo-Indians specifically used of chicken with rice and spices

PHULKARI—An embroidered sheet, lit *flower-work*

PIOE, paisa—A copper or bronze coin worth one farthing, also used as a generic term for money

PICOTTAH—A lever for raising water in a bucket for irrigation, Southern India, syn *dhenkul* or *dhenkuli*, or *dhikli*, Northern India

PIPAL—Sacred fig tree *Ficus Religiosa*.

PIR—A Mahomedan religious teacher or saint
PLEADER—A class of legal practitioner
PONGYI—A Buddhist monk or priest, Burma
POSTIN, Posteen—A coat or rug of sheep skin tanned with the wool on, Afghanistan

PRABHAT PHERI—Lit "Morning round," of parties going round early in the morning singing political songs

PRANT—An administrative sub division in Maratha States, corresponding to a British District (Baroda) or Division (Gwalior), also in Kathiawar

PRANT OR PRANT SAHEB—Sub Divisional Officer (in Bombay Presidency)

PRESIDENCY—A former Division of British India

PRINCE—Term used in English courtesy for "Shahzada," but specially conferred in the case of "Prince of Arcot" (called also "Armin Arcot")

PROTECTED—Forests over which a considerable degree of supervision is exercised but less than in the case of 'reserved' forests

PROVINCE—One of the large Divisions of British India

PUJA—Worship, Hindu

PUJARI—The priest attached to a temple

PUNDIT—See Pandit.

PURANA—Lit 'old' Sanskrit (1) applied to certain Hindu religious books, (2) to a geological 'group', (3) also to 'punch marked' coins

PURNA SWARAJ—Complete independence

PUROHIT—A domestic chaplain or spiritual guide, Hindu

PWE—An entertainment, Burma

PYALIS—Bands of revellers who accompany the Muharram processions

QILLA—A Fort

RABI—Any crop sown after the main South-West monsoon

RAG, RAGINI—Mode in Indian music

RAGI (*Eleusine corocana*)—A small millet used as a food-grain in Western and Southern India, syn *marua*, Nagil Nachni

RAIL-GARI—Railway train

RAIYAT OR RYOT—Farmer

RAJA—A Hindu Prince of exalted rank, but inferior to "Maharaja" The feminine is *Rani* (Princess or Queen), and it has the variations *Raj, Rana, Rao, Rai, Rawal, Rawat, Raiwar, Raikbar* and *Raikat* The form *Rai* is common in Bengal, *Rao* in S & W India

RAJ KUMAR—Son of a Raja

RAJ RAJESHWAR—King of Kings

RAMOSHI—A caste whose work is to watch and ward in the village lands and hence used for any *chaukidar* (g v) Actually a criminal tribe in Maharashtra

RANA—A title borne by some Rajput chiefs, equivalent to that of Raja

RANI—The wife or widow of a Raja

RANN OR RUNN—Flat land flooded in the monsoon and incrustated with salt when dry, e g, the Rann of Cutch

RANZA—Mausoleum, shrine.

RAO—A title borne by Hindus, either equivalent to or ranking below, that of Raja

REGAR—Name for a black soil in Central and Southern India, which is very retentive of moisture, and suitable for growing cotton

REGULATION—A term formerly applied to certain provinces to show that the Regulation or full code of legislation applied to them

REH—Saline or alkaline efflorescences on the surface of the soil, Northern India.

RESERVED—Forests intended to be maintained permanently

RICKSHAW—A one or two seat vehicle on two wheels drawn by coolies, used in the hills

RISALDAR—Commander of a troop of horses

ROHI, ROZ—Nilgai

ROHU—A kind of fish, *Labeo rohita*

ROTI—Bread

ROZI—Muslim fast during Ramazan Als Mausoleum (corruption of "rauza")

RYOTWARI—The system of tenure in which land revenue is imposed on the actual occupant of holdings

SABHA—Assembly, Meeting, Council, Congress

SADHU—A Hindu ascetic

SADR, sudder—Chief (adjective) Hence the headquarters of a District, formerly applied to the Appellate Courts

SAFA JANG—A long handled battleaxe carried by Jat Sikhs

SAFFLOWER—A thistle which yields a yellow dye from its petals and oil from its seed (*CARTHAGIUS TINCTORIUS*), ver *hardai*, *kushant*

SAHEB—The native Hindu term used to call a European ("Mr Smith" would be mentioned as "Smith Sahab," and his wife "Smit Mem-Sahab," but in addressing it would be "Saheb," fem "Saheba," without the name) occasionally appended to a title in the same way as "Bahadur," but inferior (=master)

SAHIBZADA—Son of a person of consequence
SAID, SAYID, SAIYID, SIDI, SYUD, SIUD—Various forms for a title adopted by those who claim direct male descent from Mohammed grandson Husain

SAL—A useful timber tree in Northern India

SHOREA ROBUSTA

SAMBAR—A deer, *CERVUS UNICOLOR*, syn *saran*

SAMITI—Association, Union Assembly

SAN—Bombay hemp, *CROTALARIA JUNCEA*

SANAD—(1) A charter or grant, giving its name to a class of States in Central India held under a sanad, (2) any kind of deed of grant

SANGATHAN—Literally tying together movement which aims at unity and the knowledge of the art of self defence among Hindus A movement to unify the Hindu Community against non-Hindu aggression The Hindu counterpart of the Muslim "Tanzim" q v

SANGHAM SAMITI—War Council in the present Civil Disobedience movement

SANNYASI—A Hindu mendicant

SARI—A long piece of cloth worn by women

SARANJAM—Land held revenue free or on a reduced quit rent in consideration of political services rendered by the holder's ancestor, originally feudal tenure land for maintaining troops

SARDAR (corrupted to **SIRDAR**)—A leading Government official, either civil or military, even a Grand Vizier. Nearly all the Punjab Barons bear this title. It and "Diwan" are like in value and used by both Hindus and Mohammedans. But Mohammedans only are "Wali," "Sultan," "Amir," "Mr," "Mirza," "Mian," and "Khan"

SARKAR—(1) The Government, (2) a tract of territory under Muhammadan rule, corresponding roughly to a Division under British administration

SARSUBAH—An officer in charge of a Division in the Baroda State corresponding to Commissioner of British territories

SATI—Suicide by a widow, especially on the funeral pyre of her husband

SAHUKAR, SAUKAR, SOWKAR—Banker, dealer in money, exchange, etc., money lender

SATYAGRAHA—(lit. Insistence on truth), passive resistance

SATYAGRAHI—A passive resister, one who will follow the truth wherever it may lead

SATTA—Speculation

SAUDAGAR—Merchant

SAWAI—A Hindu title implying a slight distinction (lit. one-fourth better than others)

SAWBWA—A title borne by chiefs in the Shan States, Burma

SEMAL or cotton tree—A large forest tree with crimson flowers and pods containing a quantity of floss, **BOMBAX MALABARICUM**

SEROW, SARAU—A goat antelope, **NEMOR- TAEDUS BUBALINUS**

SETH, SHETH—Merchant, banker

SETTLEMENT—(1) The preparation of a cadastral record and the fixing of the Government revenue from land, (2) the local inquiry made before Forest Reserves are created, (3) the financial arrangement between the Government of India and Local Governments

SHAHID—A Muslim martyr

SHANZADA—Son of a King

SHAIKH or SHEIKH (Arabic)—A chief

SHAMS-UL-ULAMA—A Mohammedan title denoting "learned"

SHAMSHER JANG—"Sword of Battle" (a title of the Maharaja of Travancore)

SHANBHOG—See **PATWARI**

SHASTRAS—The religious law-books of the Hindus.

SHILOADI, seggirda, Shigri—A pit on a hill with live charcoal in it

SHIR—Tiger

SHER, ser, ecer—A weight, or measure varying much in size in different parts of the country. The Railway ser is about 2 lbs

SHRTH, shethia—A Hindu or Jain merchant

SHIAS—Muslims who accept Ali as the lawful Khalif and successor of the prophet and deny the Khalifate of the first three Khalifs

SHIGHRAM—See **TONGA**

SHISHAM or sissu—Blackwood. A valuable timber tree. **DALBERGIA SISSOO**

SHRADDDHA—Annual Hindu ceremony of propitiating the mines

SHRUTI—Literally "heard" Vedas revealed to inspired Rishis

SHROLF—Bunker

SHUDDHI—Literally purification. A movement started in Rajputana and Northern India for the reconversion to Hinduism of those, like the Malakana Rajputs, who, though Mahomedans for some generations, have retained many Hindu practices

SIDI—A variation of "Said" Generic name for negroes domiciled in the Bombay Presidency. Also applied by the French to the negroes in their colony

SILLADAR—A native trooper who furnishes his own horse and equipment

SINDHIA—See under "Gaelwar"

SMRITI—Unrevealed Laws, as opposed to Shruti, revealed Vedas

SOLA—A water-plant with a valuable pith. **ALSOXYNOMENE ASPERA**

SONI, SONAR—Goldsmith

SOWAR—A mounted soldier or constable

SOWKAR—Merchant

SWADESHI—Lit. Swa=one's own, desh=of country. There is actually a shade of difference between the two, the "Swa" emphasising the preference against everything "par, foreign"

SWI or SHRI—Lit. fortune, beauty, a Sanskrit term used by Hindus in speaking of a person much respected (never addressed to him, nearly—"Esquire") used also of divinities. The two forms of spelling are occasioned by the intermediate sound of the *s* (that of *s* in the German *Stadt*)

SRIJET, SRIYUR—Modern Hindu equivalent of "Mr"

STUPA or tope—A Buddhist tumulus, usually of brick or stone, and more or less hemispherical, containing relics

SUBAH—(1) A province under Mahomedan rule, (2) the officer in charge of a large tract in Baroda, corresponding to the Collector of a British District, (3) a group of Districts or Division, Hyderabad

SUBAHGAR—(1) The governor of a province under Mahomedan rule, (2) a native infantry officer in the Indian Army, (3) an official in Hyderabad corresponding to the Commissioner in British territory

SUB DIVISION—A portion of a District in charge of a junior officer of the Indian Civil Service or a Deputy Collector

SULTAN—A King

SUNNAT—Traditional law followed by sunnis

SUNNIS—Muslimans who accept the first four Khalfis as lawful successors of the Prophet

SUPARI—The fruit of the betel palm, ARECA CATECHU

SUPERINTENDENT—(1) The chief police officer in a District, (2) the official in charge of a hill station, (3) the official, usually of the Indian Medical Service, in charge of a Central Jail

SUPAJ, SUPYA—Sun

SURTI—Native of Surat, specially used of persons of the dhed caste who work as house servants of Europeans, and whose house speech is Gujarati. Also called "Jali" or "Lalla"

SWAMI—A Hindu religious ascetic. Also applied to Shrinikaracharyas, Mahants of Math, etc

SYOF, sahs—A groom.

SYED, SYUD—More variations of "Said"

TABLIGH—The Mahomedan conversion movement

TABUT—See TAZIAH

TAHSIL—A revenue sub division of a District syn taluka, Bombay, taluka, Madras and Mysore, township, Burma

TAHSILDAR—The officer in charge of a tahsil, syn Mamlatdar, Bombay, township officer, or myo-oh, Burma, Mukhtiar, Sind, Vahl vatdar, Baroda. His duties are both executive and magisterial

TAKAVI—Loans made to agriculturists for seed, bullocks, or agricultural improvements, syn tagri. Also "Tigavi" (M "Tagali") Bombay

TAKLI—Small distaff for spinning yarn brought into fashion by Mr Gindhi

TAL—Lake, Musical time

TALAK—Mahomedan term for divorce

TALATI—Village accountant

TALAV, or talao—A lake or tank

TALUK, taluka—The estate of a talukdar in Oudh, Gujarat and Kathiawar. A revenue sub-division of a District, in Bombay, Madras and Mysore, syn tashil

TALUKDAR—A landholder with peculiar tenures in different parts of India (1) An official in the Hyderabad State, corresponding to the Magistrate and Collector (First Talukdar) or Deputy Magistrates and Collectors (Second and Third Talukdars), (2) a landholder with a peculiar form of tenure in Gujarat

TALPUR—The name of a dynasty in Sind

TAMAKHU, TAMBAKU—Tobacco

TAMASHA—Entertainment, gala. In sarcastic sense, exhibition

TAMBU—Tent in the Bombay Presidency

TAMTAM, tumtum—A North Indian name for light trap or cart

TANK—In Southern, Western, and Central India, a lake formed by damming up a valley, in Northern India, an excavation holding water

TANZIM—Literally "organization". A movement among the Mahomedans which aims at securing better education and a closer approach to unity among Mahomedans in India

TAPEDAR—See PATWARI

TAPAI—A moist swampy tract, the term especially applied to the tract along the foot of the Himalayas

TARI, toddy—The sap of the date, palmyra, or coconut palm, used as a drink, either fresh or after fermentation. In Northern India the juice of the date is called Sendhl

TASAR, tussore—Wild silkworms, ANTHRAPIA PAPHIA, also applied to the cloth made from their silk

TALTI—Brush wood fence or hurdle

TAZIA—Lath and paper models of the tombs of Hasan and Husain, carried in procession at the Muharram festival, syn tabut, alarith, dola

TEAK—A valuable timber tree in Southern and Western India and Burma, TECTONA GRANDIS

TELEGRAPHIC TRANSFERS—See Council bills

THAGI, thuggee—Robbery after strangulation of the victim

THAKUR—(1) The modern equivalent of the caste name Kshattriya in some parts of Northern India, (2) a title of respect applied to Brahmans, (3) a petty chief, (4) a hill tribe in the Western Ghats

THAMIA—The brow-antlered deer, Burma CERVUS ELDI.

THANA—Military or Police Station hence the circle attached to it

TID or TIR—Locust

TIKA—(1) Ceremonial anointing on the forehead, (2) vaccination

TIKA SAHIB—Heir apparent in several North Indian States

TIKAM—The English pickaxe (of which "pickass" is the common corruption "Tikam" is derived in dictionaries from Tikshna=Sharp)

TIL—An oilseed, SESAMUM INDICUM, also known as gingelly in Madras

TILAK—(Short a) the caste mark on the forehead among Hindus

TINDAL, tandel—A foreman, subordinate officer of a ship

TIPAI, Teapoy—A table with 3 legs, and hence used of any small European style table

TITAR—Partridge

TOLA—A weight equivalent to 180 grains (troy).

TONGA—A one or two horsed vehicle with a covered top, syn SHIGHRAM

TOTE—The word invariably used by South Indian planters to describe their estates. It is derived from the Kanurese *thota* and similar words in Tamil and Malayalam meaning an estate.

TSINE—Wild cattle found in Burma and to the southward, BOE BONDALOUS syn healing hind bauteng

TUMANDAR—A Persian word denoting some Office

ULIMA, (Plural of Allim)—Mahomedan learned men

UMARA—Term implying the Nobles collectively Plural of "Amir"

UMBAR—A wild fig—(FICUS GLOMERATA)

UMIDWAR—A hopeful person, one who works without pay in the hope of gaining a situation, candidate

UNIT—A term in famine administration denoting one person relieved for one day

URDU—Hindustani language as spoken and written by Musalmans opposed to Hindi, spoken and written by Hindus

URIAL—A wild sheep in North-Western India, OVIS VIGNEI

URID, UDID—A pulse, 'black grain' (PHASEOLUS MUNGO)

URUS—Mahomedan fête held in connexion with celebration at the tomb of a saint

USAR—Soil made barren by saline effluence, Northern India

USTAD—Master teacher, one skilled in any art or science

UTHAMNA—Among Hindus, consolation visit paid on second or third day after the death of a person Among Persis, a religious ceremony held on the third day after the death of a person

VAHIVATDAR—Officer in charge of a revenue sub division with both executive and magisterial functions, Baroda, syn tahsil'dar

VAID or Baidya (is also a caste in Bengal)—A native doctor practising the Hindu system of medicine

VAKIL—(1) A class of legal practitioners, (2) an agent generally

VEDA—Revealed sacred books of Hindus

VEDANTA—The philosophy of the Upanishads

VIHARA—A Buddhist monastery

VILLAGE—Usually applied to a certain area demarcated by survey, corresponding roughly to the English parish

VILLAGE UNION—An area in which local affairs are administered by a small committee

WAAZ—Mahomedan sermon

WADA or WADI—(1) An enclosure with houses built round having a centre yard, (2) private closed land near a village

WAKF—A Muhammadan religious or charitable endowment

WALI—Like "Sardar" The Governor of Khelat is so termed whilst the Chiefs of Kabul are both "Wali" and "Mir"

WAO—A step well

WATAN—A word of many senses In Bombay Presidency used mostly of the land or cash allowance enjoyed by the person who performs some service useful for Government or to the village community

WAZIR—The chief minister at a Mahomedan court

WET RATE—The rate of revenue for land assured of irrigation

WRITER—South Indian equivalent of *babu*

YAMA—Hindu god of death

YOGI—A system of Hindu philosophy Practice of breath control, etc., said to give supernatural powers

YOGI—A Hindu ascetic who follows the Yoga system, a cardinal part of which is that it confers complete control over bodily functions

YUNANI—Lit Greek, the system of medicine practised by Mahomedans

ZABARDAST—Lit "Upper hand," hence strong, oppressive

ZABARDASTI—Oppression

ZAMINDAR—A landholder

ZAMINDARI—(1) An estate, (2) the rights of a landholder, zamindar, (3) the system of tenure in which land revenue is imposed on an individual or community occupying the position of a landlord

ZANANA—Of women Women's apartment, harem

ZIARAT—Pilgrimage Ziarat gah, any shrine or tomb to which people go in pilgrimage

ZIKR—Commemorative prayer said at the tomb of the prophet or a Mahomedan saint

ZILA—A District

ZOR-TALABI—Tribute paid to Junagadh Dabbar by numerous Kathiawar States

ZULM, ZULUM—Tyranny, Oppression

Manners and Customs.

Next to the complexion of the people, which varies from fair to black, the tourist's attention in India is drawn by their dress and personal decoration. In its simplest form a Hindu's dress consists of a piece of cloth round the loins. Many an ascetic, who regards dress as a luxury, wears nothing more, and he would dispense with even so much if the police allowed him to. The Mahomedan always covers his legs, generally with trousers, sometimes with a piece of cloth tied round the waist and reaching to the ankles. Hill men and women, who at one time wore a few leaves before and behind and were totally innocent of clothing, do not appear to-day within the precincts of civilisation and will not meet the tourist's eye. Children, either absolutely nude or with a piece of metal hanging from the waist in front, may be seen in the streets in the most advanced cities, and in the homes of the rich. The child Krishna, with all the jewels on his person, is nude in his pictures and images.

Dress—The next stage in the evolution of the Hindu dress brings the loincloth nearly down to the feet. On the Malabar coast, as in Burma, the ends are left loose in front. In the greater part of India, they are tucked up behind—a fashion which is supposed to befit the warrior, or one end is gathered up in folds before and the other tucked up behind. The simplest dress for the trunk is a scarf thrown over the left shoulder, or round both the shoulders like a Roman toga. Under this garment is often worn a coat or a shirt. When an Indian appears in his full indigenous dress, he wears a long robe, reaching at least down to the calves; the sleeves may be wide, or long and sometimes puckered from the wrist to the elbow. Before Europeans introduced buttons, a coat was fastened by ribbons, and the fashion is not obsolete. The Mahomedan prefers to button his coat to the left, the Hindu to the right. A shawl is tied round the waist over the long coat, and serves as a belt, in which one may carry money or a weapon, if allowed. The greatest variety is shown in the head-dress. More than seventy shapes of caps, hats, and turbans, may be seen in the city of Bombay. In the Punjab and the United Provinces, in Bengal, in Burma and in Madras other varieties prevail. Cones and cylinders, domes and truncated pyramids, high and low, with sides at different angles, folded brims, projecting brims, long strips of cloth wound round the head or the cap in all possible ways, ingenuity culminating perhaps in the "parrot's beak" of the Maratha turban—all these fashions have been evolved by different communities and in different places, so that a trained eye can tell from the head-covering whether the wearer is a Hindu, Mahomedan or Parsi, and whether he hails from Poona or Dharwar, Ahmedabad or Bhavnagar.

Fashion Variations—Fashions often vary with climate and occupation. The Bombay fisherman may wear a short coat and a cap, and may carry a watch in his pocket, yet, as

he must work for long hours in water, he would not cover his legs, but suspend only a coloured kerchief from his waist in front. The Pathan of the cold north-west affects loose baggy trousers, a tall head-dress befitting his stature and covers his ears with its folds as if to keep off cold. The poorer people in Bengal and Madras do not cover their heads, except when they work in the sun or must appear respectable. Many well-to-do Indians wear European dress at the present day, or a compromise between the Indian and European costumes; notably the Indian Christians and Parsis. Most Parsis however have retained their own head-dress, and many have not borrowed the European collar and cuffs. The majority of the people do not use shoes; those who can afford them wear sandals, slippers and shoes, and a few cover their feet with stockings and boots after the European fashion in public.

Women's Costumes—The usual dress of a woman consists of a long piece of cloth tied round the waist, with folds in front, and one end brought over the shoulder or the head. The folds are sometimes drawn in and tucked up behind. In the greater part of India women wear a bodice on the Malabar coast many do not, but merely throw a piece of cloth over the breast. In some communities petticoats, or drawers, or both are worn. Many Mussalman ladies wear gowns and scarfs over them. The vast majority of Mahomedan women are *gosha* and their dress and persons are hidden by a veil when they appear in public; a few converts from Hinduism have not borrowed the custom. In Northern India Hindu women have generally adopted the Mussalman practice of seclusion. In the Dekhan and in Southern India they have not.

As a rule the hair is daily oiled, combed, parted in the middle of the head, plaited and rolled into a chignon, by most women. Among high caste Hindu widows sometimes shave their heads in imitation of certain ascetics, or monks and nuns. Hindu men do not, as a rule, completely shave their heads, Mahomedans in most cases do. The former generally remove the hair from a part of the head in front over the temples, and near the neck, and grow it in the centre, the quantity grown depending upon the fancy of the individual. Nowadays many keep the hair cropped in the European fashion, which is also followed by Parsis and Indian Christians. Most Mussalmans grow beards, most Hindus do not, except in Bengal and elsewhere, where the Mahomedan influence was paramount in the past. Parsis and Christians follow their individual inclinations. Hindu ascetics, known as Sadhus or Bairagis as distinguished from Sanyasis, do not clip their hair, and generally coil the uncombed hair of the head into a crest, in imitation of the god Shiva.

Hindu women wear more ornaments than others of the corresponding grade in society. Ornaments bedeck the head, the ears, the nose, the neck, the arms, wrists, fingers, the waist

until motherhood is attained, and by some even later—and the toes. Children wear anklets. Each community affects its peculiar ornaments, though imitation is not uncommon. Serpents with several heads, and flowers, like the lotus, the rose, and the champaka, are among the most popular object of representation in gold or silver.

Caste Marks—Caste marks constitute a mode of personal decoration peculiar to Hindus, especially of the higher castes. The simplest mark is a round spot on the forehead. It represents prosperity or joy, and is omitted in mourning and on fast-days. It may be red, or yellowish as when it is made with ground sandalwood paste. The worshippers of Vishnu draw a vertical line across the spot, and as Lakshmi is the goddess of prosperity, it is said to represent her. A more elaborate mark on the forehead has the shape of U or V, generally with the central line, sometimes without it, and represents Vishnu's foot. The worshippers of Shiva adopt horizontal lines, made with sandalwood paste or ashes. Some Vaishnavas stamp their temples, near the corners of the eyes, with figures of Vishnu's conch and disc. Other parts of the body are also similarly marked. The material used is a kind of yellowish clay. To smear the arms and the chest with sandalwood paste is a favourite kind of toilet, especially in the hot season. Beads of Tulsi or sacred Basil, and berries of Rudraksha *elaeagnus gamitrus*, strung together are worn round their necks by Vaishnavas and Shaivas, respectively. The Lingayats, a Shaiva sect, suspend from their necks a metallic casket containing the Linga or phallus of their god. Bairagis, ascetics, besides wearing Rudraksha rosaries round their necks and matted hair, smear their bodies with ashes. Religious mendicants suspend from their necks figures of the gods in whose name they beg. Strings of cowries may also be seen round their necks. Muslim dervishes sometimes carry peacock's feathers.

Hindu women mark their foreheads with a red spot or horizontal line. High caste widows are forbidden to exhibit this sign of happiness, as also to deck themselves with flowers or ornaments. Flowers are worn in the chignon. Hindu women smear their faces, arms, and feet sometimes with a paste of turmeric, so that they may shine like gold. The choice of the same colour for different purposes cannot always be explained in the same way. The red liquid with which the evil eye is averted may be a substitute for the blood of the animal slaughtered for the purpose in former times. In many other cases this colour has no such associations. The Muslim dervish affects green, the Sikhs Akali is fond of blue, the Sanyasi adopts orange for his robe, and no reason can be assigned with any degree of certainty.

Shiva—India is a land of temples, mosques and shrines, and the Hindu finds at every turn some supernatural power to be appeased. Shiva has the largest number of worshippers. He has three eyes, one in his forehead, a moon's crescent in his matted hair, and at the top of the coil a woman's face representing the river Ganges. His abode is the Mount Kailas in the Himalayas, from which the river takes its

source. Round his neck and about his arms and limbs are serpents, and he also wears a necklace of skulls. In his hands are several weapons, especially a trident, a bow, and a thunderbolt, and also a drum which he sounds while dancing for he is very fond of this exercise. He sits on a tiger's skin, and his vehicle is a white bull. His wife Parvati and his son Ganesha sit on his thighs. An esoteric meaning is attached to every part of his physical personality. The three eyes denote an insight into the past, present and future; the moon, the serpents, and the skulls denote months, years and cycles, for Shiva is a personification of time, the great destroyer. He is also worshipped as a Linga or phallus which represents creative energy.

Ganpati—Ganesh or Ganpati, the controller of all powers of evil subject to Shiva is worshipped by all sects throughout India. Every undertaking is begun with a prayer to him. He has the head of an elephant, a large abdomen, serpents about his waist and wrists, several weapons in his hands, and a piece of his tusk in one hand. He is said to have broken it off when he wanted to attack the moon for ridiculing him. The different parts of his body are also esoterically explained. His vehicle is a rat.

Parvati—Parvati, the female energy of Shiva, is worshipped under various names and forms. She is at the head of all female supernatural powers, many of whom are her own manifestations. Some are benign and beautiful, others terrible and ugly. Kall, the tutelary deity of Kalighat or Calcutta, is one of her fierce manifestations. In this form she is black, a tongue smeared with blood projects from her gaping mouth, besides her weapons, she carries corpses in her hands, and round her neck are skulls. Bombay also takes its name from a goddess, Mumbadevi. Gouri, to whom offerings are made in Indian homes at an annual festival, is benign. On the other hand the epidemic diseases like the plague and small-pox are caused by certain goddesses or "mothers."

Vishnu, the second member of the Hindu trinity, is the most popular deity next to Shiva. He is worshipped through his several incarnations as well as his original personality. His home is the ocean of milk, where he reclines on the coils of a huge, many-headed serpent. At his feet sits Lakshmi, shampooing his legs. From his navel issues a lotus on which is seated Brahma, the third member of the trinity. In his hands are the conch, which he blows on the battlefield, and the disc, with which the heads of his enemies are severed. Round his neck are garlands of leaves and flowers, and on his breast are shining jewels. As Shiva represents destruction, Vishnu represents protection, and his son is the god of love. To carry on the work of protection, he incarnates himself from time to time, and more temples are dedicated nowadays to his most popular incarnations, Rama and Krishna, than to his original personality. Rama is a human figure, with a bow in one of his hands. He is always accompanied by his wife Sita, often by his brother Lakshmana, and at his feet, or standing before him with joined hands, is Hanuman, the monkey.

chieftain, who assisted him in his expedition against Ravana, the abductor of his wife Krishna is also a human figure, generally represented as playing on a flute, with which he charmed the damsels of his city, esoterically explained to mean his devotees

Brahma is seldom worshipped only a couple of temples dedicated to him have yet been discovered in all India

Minor Deities—The minor gods and goddesses and the deified heroes and heroines who fill the Hindu pantheon, and to whom shrines are erected and worship is offered, constitute a legion. Many of them enjoy a local reputation, are unknown to sacred literature, and are worshipped chiefly by the lower classes. Some of them, though not mentioned in ancient literature, are celebrated in the works of modern saints

The **Jains** in their temples, adore the sacred personages who founded and developed their sect, and venerate some of the deities common to Hinduism. But their view of Divinity is different from the Hindu conception, and in the opinion of Hindu theologians they are atheists. So also the **Buddhists** of Burma pay almost the same veneration to Prince Siddhartha as if he was a god, and indeed elevate him above the Hindu gods, but from the Hindu standpoint they are also atheists

Images—Besides invisible powers and deified persons, the Hindus venerate certain animals, trees and inanimate objects. This veneration must have originated in gratitude, fear, wonder, and belief in spirits as the cause of all good or harm. Some of the animals are vehicles of certain gods and goddesses—the eagle of Vishnu, the swan of Brahma, the peacock of Saraswati, Hanuman, the monkey of Rama, one serpent upholds the earth, another makes Vishnu's bed, elephants support the ends of the universe, besides one such animal being Indra's vehicle, the goddess Durga or Kali rides on a tiger, one of Vishnu's incarnations was partly man and partly lion. The cow is a useful animal to the Brahman, vegetarian, her milk is indispensable, and he

treats her as his mother. So did the Rishi of old, who often subsisted on milk and fruits and roots. To the agriculturist cattle are indispensable. The snake excites fear. Stones, on which the image of a serpent is carved, may be seen under many trees by the roadside. The principal trees and plants worshipped are the Sacred Fig or Pipal, the Banyan, the Sacred Basil, the Bilva or Wood Apple, the Asoka, and the Acacia. They are in one way or another associated with some deity. The sun, the moon, and certain planets are among the heavenly bodies venerated. The ocean and certain great rivers are held sacred. Certain mountains, perhaps because they are the abodes of gods and Rishis, are holy. Pebbles from the Gandaki and the Narmada, which have curious lines upon them, are worshipped in many households and temples.

Worship—Without going into a temple, one can get a fair idea of image worship by seeing how a serpent stone is treated under a tree. It is washed, smeared with sandal, decorated with flowers, food in a vessel is placed before it, lamps are waved, and the worshipper goes round it, and bows down his head, or prostrates himself before the image. In a temple larger bells are used than the small ones that are brought to such a place. Jewels are placed on the idol and the offerings are on a larger scale. Idols are carried in public procession in palanquins or cars. The lower classes sacrifice animals before their gods and goddesses.

Domestic Life—Of the daily domestic life of the people a tourist cannot see much. He may see a marriage or funeral procession. In the former he may notice how a bridegroom or bride is decorated, the latter may shock him for a Hindu dead body is generally carried on a few pieces of bamboo lashed together, a thin cloth is thrown over it and the body is tied to the frame. The Mahomedan bier is more decent, and resembles the Christian coffin. Some Hindus, however, carry the dead to the burial ground in a palanquin with great pomp. The higher castes cremate the dead, others bury them. Burial is also the custom of the Muslims, and the Parsis expose the dead in Towers of Silence.

Indian Names.

The personal name of most Hindus denotes a material object, colour, or quality, an animal, a relationship, or a deity. The uneducated man, who cannot correctly pronounce long Sanskrit words, is content to call his child, father, brother, uncle, or mother, or sister, as the case may be. This practice survives among the higher classes as well. Appa Sahib, Anna Rao, Babaji, Bapu Lal, Bhai Shankar, Tataharya, Jijibhai, are names of this description, with honorific titles added. It is possible that in early society the belief in the rebirth of departed kinsmen lent popularity to this practice. Nothing could be more natural than to call a man white, black, or red, gold or silver, gem, diamond, saby, pearl, or merely

a stone, small or tall, weak or strong, a lion, a snake, a parrot, or a dog, and to name a woman after a flower or a creeper. Thus, to take a few names from the epics, Pandu means white, and so does Arjuna. Krishna black, Bhima terrible, Nakula a mongoose, Shunaka a dog, Shuka a parrot, Sringa a horn. Among the names prevalent at the present day Hira is a diamond, Ratna or Ratan a jewel, Sonu or Chinna gold, Velli or Belli, in the Dravidian languages, means white metal or silver. Men are often called after the days of the week on which they were born, and hence they bear the names of the seven heavenly bodies concerned. When they begin to assume the names of the Hindu deities, they practically

enter upon a new stage of civilisation. It is doubtful whether the Animists ever venture to assume the names of the dreaded spirits worshipped by them. To pronounce the name of a devil is to invite him to do harm. If the spirits sometimes bear the names of human beings, the reason seems to be that they were originally human.

High-caste practices—The high caste Hindu, on the other hand, believes that the more often the name of a deity is on his lips, the more merit he earns. Therefore he deliberately names his children after his gods and goddesses, so that he may have the opportunity of pronouncing the holy names as frequently as possible. These are also sonorous and picturesque. Shiva is happy, Vishnu is a pervader, Govinda is the cowherd, Krishna Keshava has fine hair, Rama is a delighter, Lakshmana is lucky, Narayana produced the first living being on the primeval waters, Ganesha is the Lord of Shiva's hosts, Dinakara is the luminary that makes the day, Subrahmanya is a brother of Ganesha, Sita is a furrow, Savitri a ray of light, Tara a star, Radha prosperity, Rukmini is she of golden ornaments, Bhama of the glowing heart, Shiva and Vishnu has each got at least a thousand names, and they may be freely drawn upon and paraphrased in naming one's children, and the whole Hindu pantheon is as crowded as it is large. When a mother loses several children, she begins to suspect that some evil spirit has conspired against her and in order to make her off-spring unattractive to the powers of darkness, she gives them ugly names, such as Keru, rubbish, or Ukirda, dunghill, or Martoba, the mortal. Women are named after rivers, as Sarasvatī, Ganga, Bhagirathi, Godavari, or Kaveri, just as men are sometimes called after mountains. Manu counsels young men not to choose a wife with such a name, perhaps because a river is an emblem of deviousness and inconstancy, as a hill is an emblem of stability. But the names of rivers have not been discarded. The Burmans have a curious custom: if a child is born on a Monday, its name must begin with a guttural, on Tuesday with a palatal, on Thursday with a labial, on Saturday with a dental.

Family names—When a person rises in importance, he adds to his personal name a family or caste name. It was once the rule that the title Sharma might be added to a Brahman's name, Varma to a Kshatriya's, Gupta to a Vaishya's, and Dasa to a Shudra's. This rule is fairly well observed in the case of the first two titles, but the meaning of the other two has changed. Dasa means a slave or servant, and the proudest Brahman cannot disdain to call himself the servant of some god. Thus, although Kalidas, the famous poet, was a Shudra, Ramadas, the famous guru of Shiyaji, was a Brahmin. The Vaishnavas have made this fashion of calling oneself a servant of some god exceedingly popular, and in Western India high caste Hindus of this sect very commonly add Das to their names. The Brahmans of Southern India add Aiyer or Aiyangar to their names. Shastri,

Acharya, Bhat, Bhattacharya, Upadhyaya, Mukhopadhyaya, changed in Bengal into Mukerji, are among the titles indicative of the Brahmanical profession of studying and teaching the sacred books. Among warlike classes, like the Rajputs and Sikhs, the title Singh (lion) has become more popular than the ancient Varma. The Sindhi Mal, as in Gidmal, means brave and has the same force. Raja changed into Raya, Rao and Rai was a political title, and is not confined to any caste. The Bengali family names like Bose and Ghose, Dutt and Mitra, Sen and Guha, enable one to identify the caste of their bearers, because the caste of a family or clan cannot be changed. Shet, chief of a guild or a town, becomes Chetty, a Vaishya title, in Southern India. Mudaliyar and Nayudu, meaning leaders, are titles which were assumed by castes of political importance under native rulers. Nayar and Menon are the titles of important castes in Malabar. Ram, Lal, Nand, Chand, are among the additions made to personal names in Northern India. Suffixes like Ji, as in Ramji or Jamsheji, the Kanarese Appa, the Telugu Garu, the feminine Bai or Devi, are honorific. Prefixes like Babu, Baba, Lala, Sodhi, Pandit, Raja, and the Burmese Maung are also honorific.

Professional names—Family names sometimes denote a profession. In some cases they might have been conferred by the old rulers. Mehta, Kulkarni, Deshpande, Chitnavis, Mahalnavis are the names of offices held in former times. One family name may mean a flour seller, another a cane seller, and a third a liquor-seller. To insert the father's name between one's personal and the family name is a common practice in Western India. It is rare elsewhere. When a family comes from a certain place, the suffix 'kar' or 'wallah' is added to the name of the place and it makes a family surname in Western India. Thus we may have Chiplunkars and Suratwallahs, or without these affixes we may have Bhavnagris, Malabaris and Bilimorias, as among Parsis. Thus Vasudev Pandurang, Chiplunkar would be a Hindu, whose personal name is Vasudev, his father's name Pandurang, and family name derived from the village of Chiplun, is Chiplunkar. In Southern India the village name precedes the personal name. The evolution of Musalman names follows the same lines as Hindu names. But Muslims have no god or goddesses, and their names are derived from their religious and secular history. These names and titles are often as long and picturesque as Hindu appellations. The ignomies Baksh, Din, Ghulam, Khwaja, Fakir, Kazi, Munshi, Sheikh, Syed, Begum, Bibi and others, as well as honorific additions like Khan have meanings which throw light on Muslim customs and institutions. The Parsis also have no gods and goddesses, and their personal names are generally borrowed from their sacred and secular history. Their surnames frequently indicate a profession or a place, as in the case of Hindus in Western India. Batliwallah, Readymoney, Contractor, Saklatwallah, Adenwallah and others like them are tel-tale names.

Indian Art.

In India there has never been so marked a separation between what are now known as the Fine Arts, and those applied to industry as was the case in Europe during the nineteenth century. As, however, Industrial art forms the subject of a special article in this book, the term Indian Art will here be confined to Architecture, Sculpture and Painting.

Historical—The degree of proficiency attained in art by Indians prior to B C 250, can only be conjectured by their advancement in literature, and by the indirect evidences of indebtedness shown by the works of the historic period, to those which preceded them, or direct records of artistic work of an earlier date than B C 250 do not exist. The chief historic schools of architecture are as follows—

Name	Dates	Locality of the best Examples
Buddhist	B C 250— A D 750	Ellora, Ajanta, Kāli, Sanchi
Jaina	A D 1000— 1300	Ellora, Mount Abu, Palitana
Brahminical	A D 530 to the present day	Ellora, Elephanta, Orissa, Bhuvaneshwar, Dharwar
Chalukyan	A D 1000— 1200	Umber, Somnathpur, Ballur
Dravidian	A D 1350— 1750	Ellora, Tanjore, Madura, Tinnevely.
Pathan	A D 1200— 1550	Delhi, Mandu, Jaunpore
Indo-Saracenic	A D 1520— 1760	Lahore, Delhi, Agra, Amber, Bijapur

Buddhist Architecture is mainly exemplified by the rock-cut temples and monasteries found in Western India and in the *Topes* or sacred mounds. The interior decorations, and external facades of the former, and the rails and gates surrounding the latter point unmistakably to their being derived from wooden structures of an earlier period. The characteristic features of these temples are horse-shoe openings in the facades to admit light, and colonnades of pillars with richly ornamented caps in the interior halls. Jaina Architecture is found in its most highly developed form in the Dilwara temples at Mount Abu. The ground plan consists of a shrine for the god or saint, a porch, and an arcaded courtyard with niches for images. The characteristic of the style is grace and lightness, with decorative carving covering the whole interior, executed with great elaboration and detail. Constructional methods suggest that original types in wood have been copied in marble.

Brahminical, Chalukyan and Dravidian styles differ little in essential plan, all having a shrine for the god, preceded by pillared porches. The outer forms vary. The northern

Brahminical temples have a curved pyramidal roof to the shrines, which in the southern or Dravidian style are crowned by a horizontal system of storied towers, and each story, decreasing in size, is ornamental with a central cell and figures in high relief. The Chalukyan style is affected by its northern and southern neighbours taking features from each without losing its own special characteristics of which the star-shaped plan of the shrine, with the five-fold bands of external ornament, is the principal feature. Pathan Architecture was introduced into India by the Mahomedan invasion of the thirteenth century. At old Delhi are fine examples in the Kutub Mosque and Minar. The characteristics of the style are severity of outline, which is sometimes combined with elaborate decoration due, it is stated, to the employment of Hindu craftsmen. The mosques and tombs at Ahmedabad already show Hindu influence, but purer examples are to be found at Jaunpore and Mandu. Indo-Saracenic Architecture reached the climax of its development during the reigns of the Moghul Emperors Akbar, Jehangir and Shah Jahan. It eclipsed in richness of material and refinement of taste the building efforts of previous periods, its crowning example being the Taj Mahal at Agra. The buildings erected during the Adil Shahi dynasty at Bijapur at a slightly later date, exhibit a certain Turkish influence, especially in the great tomb of Mahmoud. Though less refined and lacking the attraction of precious materials in their decoration, these splendid edifices are held in higher esteem by some critics than those of the Moghals, on account of their simplicity, grandeur and fine proportions. The era of great civil architecture in India was revived by the Mahomedan powers. Splendid palaces and fortresses were built at Madras, Delhi, Agra, Fattchpore-Sikri and Bijapur, and the example thus set was copied by the Hindu princes at Jaipur, Udaipur and elsewhere in India. The application of great architectural treatment, unequalled in extent elsewhere, is to be seen in the Ghauts or steps enclosing lakes and on the banks of rivers. The most notable constructional contribution of the Mahomedans to Indian architecture was the introduction of the true arch and dome.

Sculpture—The use of sculpture and painting in isolated works of art was practically non-existent in India until modern times. One or two reliefs and certain gigantic figures may be quoted as exceptions, but taken generally it may be stated that these arts were employed as the decorative adjuncts of architecture. No civil statuary, such as is now understood by the term, was executed, for no contemporary portrait figures, or busts in marble, or bronze, have come down to us from the ruins of ancient India, as they have from those of Egypt, Greece and Rome. Sculpture has been used exclusively as the handmaid of religion, and to this fact may be attributed the stereotyped forms to which it became bound. The lavish use of sculpture on Indian temples often exceeds good taste, and mars the symmetry

and dignity of their art, and especially, but for exhibition of fine lineation, Indian "mudra" character and vivid expression of the ideal. Indian sculpture is perhaps without its equal elsewhere in the world. The most large-scale specimens are to be found in the colossal and Brahminical excavations of Ellora, Ajanta, and Elephanta. The great Trimurti in the last named of these temples ranks for mystery and expressive grandeur with the greatest masterpieces of art. The outstanding characteristics of Hindu sculpture are the power displayed in "mudra" movement, the line sense of decorative arrangements of line and mass, and an overpowering beauty in intricate detail. Mahoraden sculpture in India, though not exclusively confined to geometric forms as is that of the more severe Arabian school, is very restrained as compared with that of the Hindus. Floral motifs are often used in the ornaments to tomb and palace, but rarely in those of mosques. Their geometric ornament shows great ingenuity and invention, and wonderful decorative use is made of Persian, Arabic and Urdu lettering in panels, and their borders. The representation of human or animal figures is rarely to be met with. Sculptured and modelled relief is, as a rule, kept very low, and is mainly confined to the decoration of mouldings, architraves, lintels, or the bands of ornament which relieve large exterior wall spaces. Buildings of purely Mahomedan design and workmanship show greater restraint than those upon which Hindu workmen have been employed and are more satisfactory, but at Ahmedabad the two celebrated windows are striking examples of a happy combination of the two styles and Pattachipore Sikri is a magnificent example of the mixed style of Akbar.

Painting—Much of the carved stonework upon ancient Indian buildings was as in ancient Greece and then decorated with colour but the only paintings, in the modern acceptation of the term, now existing, which were executed prior to the Moghul period, are those upon the walls of the cave temples at Ajanta, Baghi, and in Ceylon. These remarkable works were produced at intervals during the first 600 years of the Christian era. They exhibit all the finer characteristics of the best Indian sculpture, but with an added freedom of expression due to the more tractable vehicle employed. The Ajanta Caves remained hidden in the Deccan jungles for nearly twelve hundred years, until accidentally discovered in 1816. They are painted in a species of tempera, and when first brought to light were well preserved but they have greatly deteriorated owing to the well meant, but misguided action of copyists, and the neglect of the authorities. The Nizam's Government have in recent years done a great deal towards the preservation and study of these mural paintings. The second period of Indian painting owed its origin to the introduction of Persian artists by the Moghul Emperor Akbar and the establishment of the indigenous Moghul school was due to the encouragement and fostering care of his successors, Jehangir and Shah Jahan. Unlike the works of the Ajanta painters, which were designed upon a large scale, the pictures of the Moghul school were miniatures. They

were executed in a species of opaque water colour upon paper or vellum, and unlike the Ajanta and the illuminated manuscripts produced by the monks in Europe during the Middle Ages, some of the finest of the earlier specimens in India are of a rich and characteristic quality. The development of the Moghul school is the result of the contact with the art of the East and the West. As a result of a series of schools of painting, and of more notable for its detail but certainly more decorative, the Moghul school of painting was born. The art of a Hindu painter of the 16th century, known as the "Moghul" style, were less full of colour and less of the detail and perspective which the Moghul painters brought with them. The Moghul painters, and the artists of the Moghul school, were less full of colour and less of the detail and perspective which the Moghul painters brought with them. The Moghul painters, and the artists of the Moghul school, were less full of colour and less of the detail and perspective which the Moghul painters brought with them. The Moghul painters, and the artists of the Moghul school, were less full of colour and less of the detail and perspective which the Moghul painters brought with them.

Modern Painting—At the reign of Shah Jahan exhibits the high tide of artistic development in India, so the reign of his successor Aurangzeb marks the period of its rapid decline. The causes of this are attributable to the absence of encouragement by this Emperor to his long periods of absence from the court at Delhi or Agra entailed by the continuous wars he waged in his efforts to bring the whole of the Peninsula under his rule, and partly to the fact of the school of Moghul Painting becoming stereotyped in its practice. Foreign designers, painters and craftsmen who had been attracted to India by the great works carried out by Akbar, Jehangir and Shah Jahan left the country, and their places were taken by no successors. The indigenous artists left to themselves in the isolated courts of small Indian princes, or collected in schools in remote districts, employed themselves mainly upon repeating the works of a previous age, instead of seeking new motifs for artistic treatment. At the time when the British East India Company ceased to be only a guild of merchants and became a great administrative power in 1757, very little vitality survived in the ancient art of the country. During the century of its administrative history, between the battle of Plassey and the Indian Mutiny, the "Company" was too fully occupied in fighting for its existence, extending its borders and settling the internal economy of its ever increasing territories, to be able to give much attention to conserving any remnant of artistic practice which had survived. Without any deliberate intention of introducing western art into the country, Greek and its derivative style

of architecture were adopted for public and private buildings in Calcutta, Bombay and Madras because these were found to be more suitable for their purpose than buildings of indigenous pattern. The practical result was the same, for the Indian craftsmen employed upon their erection were confronted with styles affording no scope for the application of their traditional ornament and concerning which they had no knowledge or sympathy. As there were no sculptors in India capable of modelling or carving civil sculpture, the monuments to distinguish public servants were all imported from England, and the portraits, or other paintings which decorated the interior walls of the buildings, were furnished by European painters who visited India or by artists in England. Although a considerable amount of research work of a voluntary nature was done by Archaeologists, no official interest was taken in artistic education until the Government of India was transferred to the British Crown in 1859. In England itself, the first fifty years of the nineteenth century was a period of gross commercialism and artistic degradation, but with the advent of the International Exhibition of 1851 the eyes of the nation were opened to the value of art as applied to industry.

The Schools of Art then instituted throughout England were imitated in a timid and tentative manner in India and were attached to the educational system, which had been previously modelled upon a definitely European basis. The work of the Schools of Art in regard to industrial art is referred to elsewhere, and as several of them have confined their activities almost exclusively to this branch of the subject it is sufficient to mention only the work of the Schools at Calcutta and Bombay in the present article. The Calcutta school, except for occasional experiments in the application of the graphic arts to lithography, engraving and stained glass, has become a school of painting and drawing. That at Bombay covers a wider field, for in addition to classes for modelling, painting and design it possesses a special school of architecture and a range of technical workshops, in which instruction is given in the applied arts. It is in the principles underlying the instruction in painting that the schools at Calcutta and Bombay have taken almost diametrically opposite roads to reach the end they both have in view, namely, the revival of the art of painting in India by means of an indigenous school of Indian painters. Mr. Havell, who several years ago was the Principal of the Calcutta School, (he left India in 1907) banished from within its walls every vestige of European art, and claimed that the traditional art of India, in its old forms, is not dead but merely sleeping or smothered by the blanket of European culture laid upon it for the last 150 years, and needed but to be released from this incubus to regain its pristine vigour. Well equipped with literary ability, backed by intense enthusiasm for the views he held, he imposed upon his students an exclusive and severe study of the Moghul and Rajput schools of painting. He was fortunate in finding a willing and equally enthusiastic friend in Mr. Abanindranath Tagore, an artist of imagination and fancy, combined with a serious

devotion to his art. He with other Bengal painters, inspired by Mr. Havell's precepts, founded, about thirty years ago, what has since become known as the Calcutta School of painting. In their early work the painters of this school closely adhered to the conventions of Moghul and Rajput artists, whom they took as their models, and these early examples made a great impression upon all European critics who saw them. They were welcomed as the first sign of a genuine revival of Indian painting, based upon traditional lines, and it was confidently hoped that the movement would meet with the support it merited from Indians of all classes. Interesting as many individual works of the school undoubtedly are the anticipations which greeted its inception have scarcely been fulfilled by the Calcutta school. The painters themselves have never reached the high technical standard of the artists who produced the best works of the Moghul or Rajput schools, and, as time has passed, their outlook appears to have shifted, and, while stemming the flood of western influence, they appear to have drifted into a backwater of Japanese conventions. The Indian public has failed to give the school the support it was hoped they would afford and the movement has had to depend for encouragement mainly upon Europeans in England and India.

Bombay School of Art—The attitude towards the development of art in modern India taken by its successive Principals Messrs. Lockwood Kipling, Griffiths, Greenwood, and Cecil Burns, was on wider lines than that favoured by Mr. Havell. In general the view this School of Art has taken is that with European literature dominating the system under which the educated classes in India are trained and with European ideas, and science permeating the professional commercial, industrial, and political life of the country, it is not possible for modern Indians now to recapture the spirit which alone gave vitality to the great works of the past, that without this spirit, the conventions the ancient artists adopted are mere dead husks, and that to copy these would be as unprofitable as it would be for the artists of Europe to harness themselves to the conventions of the Greek and Roman sculptors or to those of the medieval painters, that with European pictures, often of inferior quality illustrating every educational text book, and sold in the shops of every large city, it is essential for the proper education of art students that they should have before them the masterpieces of European art, and that, with the wide adoption of European styles of architecture in India, it is necessary for a school of art to possess the best examples of ornament applicable to the great historic styles, for the purpose of study and reference. There are certain basic principles common to the technique of all great art, such as fine and accurate drawing in its widest sense, composition and design, and the science or colour harmony.

Among the developments during Mr. Burns' administration were the founding of the Architectural School, the extension of drawing classes in the Government Schools, and the appointment of an Inspector of Drawing to inspect and report on the drawing classes in the schools. A Pottery Department was also started and

was abolished in 1926. Mr. Burns retired in 1918 and was succeeded in 1919 by the present Principal, Mr. W. F. Gladstone Solomon, R.B.C.

The guiding principle with Mr. Solomon has been to teach the students to draw and to paint what they see, and further to encourage by all possible means their natural progress in the decorative direction towards which their inherent instinct most obviously urges them. He has always maintained that theory in regard to the training of Indian Art students is in itself unproductive and can only be proven by practice, and as Mr. Solomon has now held the post of Principal for many years it is possible to gauge the results achieved by his system of training.

The Life Classes which were organised at the end of 1919 have been pronounced by competent judges as well up to the level of the Life Classes of the European Schools of Art. But proficiency in technique forms only one side of the present system of training, for even in Europe, too much of the study from life is quite capable of negating its own object. In India, where the decorative instinct is inherent, and where the possibilities of freehand drawing are still understood, the danger of overdoing the Life Class is even more palpable. So side by side with these realistic aids to study, and at the same period, a class of Indian Decorative Painting was inaugurated in the Bombay School of Art under the patronage of the Governor of Bombay (Lord Lloyd). As this class specialises in Mural Painting it has long been popularly known as the Class of Mural Painting. This class has executed the decorations for many public and private buildings, and painted the ceiling and panels of a specially constructed Indian Room which was exhibited at Wembley in 1924. A great deal of controversy, which has been characterised by its academic rather than its practical note, has centred round these new movements in art training in India, but the Bombay School of Art has retained the patronage and support of the public and the increase in the number of its students (who now number over 600 in all sections of the School) has been continuous since it took its present line. It is significant that the wide spread revival of public interest in Art in Western India has synchronised with these activities.

The School of Art has of late years enjoyed the patronage of successive Governors of Bombay and, largely due to the efforts of Sir Leslie Wilson, the Government of India inaugurated a competition of Indian Artists in 1927 for the decoration of wall spaces in the new buildings at New Delhi. The result of the Competition was notified in October 1928, when five artists of Bombay, and the students of the Bombay and Lahore Schools of Art were commissioned to paint Mural Decorations in the new Secretariat buildings. The Bombay School undertook the decoration of Committee Room "A" (in the North Block) and the paintings, which were executed in oils on canvas, were finished, and successfully placed in position on the dome and walls by the middle of September 1929. These decorations were original compositions of life size figures, symbolising the main periods of Indian Art, and the different branches

of the Fine and Applied Arts. In April 1929, the Government of Bombay created the Bombay School into a Department of the Director of Public Instruction, the Principal (Mr. W. F. Gladstone Solomon) became Director. In October 1929 the School organised an exhibition of the work of all Departments of this School of Art in India House, London. The exhibition was very well patronised by the public and extremely well received by the art critics and the Press. Her Majesty the Queen Empress graciously patronised the exhibition and selected several of the paintings displayed.

While the Bombay School was engaged upon the work of mural decoration at New Delhi in 1928-1929 which had led to the establishment of the Department of Indian Art, the Government of India had decided to hold an artist competition for the selection of four Indian candidates to study for a year at the Royal College of Art, South Kensington, after which they were to be employed on the mural decoration of the Interior of India House, Albany. The Bombay School was unable to compete owing to its preoccupation with the New Delhi decorations, and four artists from Bombay selected by a Committee appointed by the Government of India, which though it included two representatives from Bombay (who were not artists) has been criticised on the ground that several of the Bombay representatives were professional artists, that the Bombay School's inability to take part was not brought to the notice of the Committee, and that therefore the result of the competition could not be representative of all the Indian Provinces. The four elected artists finished the decorative work which they had been engaged to execute at India House and returned to India in 1932. But in 1933 two of them were re-engaged to decorate the entrance hall of the building, in consequence of this considerable controversy has arisen on the whole subject of the India House mural paintings and their claim to be representative of India as a whole. This episode has thrown into stronger relief the differences on the subject of art in India between the Western and Eastern districts of the country, a noticeable diminution of the exclusionists' art propaganda, and a tendency towards allowing art in Bombay with the position which Bombay has occupied in this matter for the last two generations is one of the salient symptoms of the present situation (1934). Another cause of public controversy, which was more local in character, had occurred near the end of 1932, when the Bombay Reorganisation Committee which had been appointed by the Bombay Government for purposes of retrenchment, advocated the closing down of the Bombay School of Art, the abolition of its buildings and the utilisation of the compound of the school for a hospital. The Architectural School was to be moved elsewhere. These draconian recommendations created a great deal of public dissatisfaction, which expressed itself in public agitation, processions and a crowded meeting of protest. After full examination of this vexed question, the Governor of Bombay, Sir Frederick Sikes, who had taken keen interest during his administration, in the welfare of the School, personally announced in a speech delivered at the School of Art on November 24, 1933, that the institution was to be maintained upon its present basis.

Indian Architecture.

The architecture of India has proceeded on lines of its own, and its monuments are unique among those of the nations of the world. An ancient civilization, a natural bent on the part of the people towards religious fervour of the contemplative rather than of the fanatical sort, combined with the richness of the country in the sterner building materials—these are a few of the factors that contributed to making it what it was, while a stirring history gave it both variety and glamour. Indian architecture is a subject which at the best has been studied only imperfectly, and a really comprehensive treatise on it has yet to be written. The subject is a vast and varied one, and it may be such a treatise never will be written in the form of one work at any rate. The spirit of Indian art is foreign to the European and few can entirely understand it, while art criticism and analysis is a branch of study that the Indian has not as yet developed to its full extent. Hitherto the best authority on the subject has been Fergusson, whose compendious work is that which will find most ready acceptance by the general reader. But Fergusson attempted the nearly impossible task of covering the ground in one volume of moderate dimensions, and it is sometimes held that he was a man of too purely European a culture, albeit wide and eclectic, to admit of sufficient depth of insight in this particular direction. Fergusson's classification by races and religions is, however, the one that has been generally accepted hitherto. He asserts that there is no stone architecture in India of an earlier date than two and a half centuries before the Christian era, and that "India owes the introduction of the use of stone for architectural purposes, as she does that of Buddhism as a state religion, to the great Asoka, who reigned B.C. 272 to 236."

Buddhist Work

Fergusson's first architectural period is then the Buddhist, of which the great tope at Sanchi with its famous Northern gateway is perhaps the most noted example. Then we have the Gandharan topes and monasteries. Perhaps the examples of Buddhist architecture of greatest interest and most ready access to the general student are to be found in the Chaitya halls or rock-cut caves of Karli, Ajanta, Nasik, Ellora, and Kanheri. A point with relation to the Gandhara work may be alluded to in passing. This is the strong European tendency, variously recognized as Roman, Byzantine but most frequently as Greek, to be observed in the details. The foliage seen in the capitals of columns bears strong resemblance to the Greek acanthus, while the sculptures have a distinct trace of Greek influence, particularly in the treatment of drapery, but also of hair and facial expression. From this it has been a fairly common assumption amongst some authorities that Indian art owed much of its best to European influence, an assumption that is strenuously combated by others as will be pointed out later.

The architecture of the Jains comes next in order. Of this rich and beautiful style the most noted examples are perhaps the Dilwara temples near Mount Abu, and the unique "Tower of Victory" at Chittore.

Other Hindu Styles

The Dravidian style is the generic title usually applied to the characteristic work of the Madras Presidency and the South of India. It is seen in many rock-cut temples as at Ellora, where the remarkable "Kylas" is an instance of a temple cut out of the solid rock, complete, not only with respect to its interior (as in the case of mere caves) but also as to its exterior. It is, as it were, a life-size model of a complete building or group of buildings, several hundred feet in length, not built, but sculptured in solid stone, an undertaking of vast and, to our modern ideas, unprofitable industry. The Pagoda of Tanjore, the temples at Srirangam, Chidambaram, Vellore, Vijayanagar, &c., and the palaces at Madura and Tanjore are among the best known examples of the style.

The writer finds some difficulty in following Fergusson's two next divisions of classification, the "Chalukyan" of South-central India, and the "Northern or Indo-Aryan style." The differences and the similarities are apparently so intermixed and confusing that he is fain to fall back on the broad generic title of "Hindu"—however unscientific he may thereby stand confessed. Amongst a vast number of Hindu temples the following may be mentioned as particularly worthy of study—Those at Mukteswara and Bhuvaneswar in Orissa, at Khajuraho, Bindraban, Udaipur, Benares, Gwalior, &c. The palace of the Hindu Raja Man Singh at Gwalior is among the most beautiful architectural examples in India. So also are the palaces of Amber, Dattiya, Urrha, Dig and Udaipur.

Indo-Saracenic

Among all the periods and styles in India the characteristics of none are more easily recognizable than those of what is generally called the "Indo-Saracenic" which developed after the Mahomedan conquest. Under the new influences now brought to bear on it the architecture of India took on a fresh lease of activity and underwent remarkable modifications. The dome, not entirely an unknown feature hitherto, became a special object of development, while the arch, at no time a favourite constructional form of the Hindu builders, was now forced on their attention by the predilections of the ruling class. The minaret also became a distinctive feature. The requirements of the new religion,—the mosque with its wide spaces to meet the needs of organized congregational acts of worship—gave opportunities for broad and spacious treatments that had hitherto been to some extent denied. The Moslem hatred of idolatry set a tabu on the use of sculptured representations of animate objects in the adornment of the buildings and led to the development of other decorative forms. Great ingenuity came to be displayed in the use of pattern and of geometrical and foliated ornament. This Moslem trait further turned the attention of the builders to a greater extent than before to proportion, scale and mass as means of giving beauty, mere richness of sculptured surface and the æsthetic and symbolic interest of detail being no longer to be depended on to the same degree.

of whom it was admittedly not the *metier*, and who were necessarily contending with lack of expert training on the one hand and with departmental methods on the other, it must be conceded that it can shew many notable buildings. Of recent years there has been a tendency on the part of professional architects to turn their attention to India, and a number of these has even been drafted into the service of Government as the result of a policy initiated in Lord Curzon's Viceroyalty. In time, therefore, and with the growth of the influence of these men, such of the reproach against the building of the British in India as was just and was not merely thoughtlessly maintained as a corollary to the popular jape against everything official, may gradually be removed. If this is so as to Government work progress should be even more assured in the freer atmosphere outside of official life. Already in certain of the greater cities, where the trained modern architect has established himself, in private practice, there are signs that his influence is beginning to be felt. He still complains, however, that the general public of India needs much educating up to a recognition of his value, both in a pecuniary sense and otherwise.

To the work of the indigenous "master-builder" public attention has of recent years been drawn with some insistence, and the suggestion has been pressed that efforts should be directed towards devising means for the preservation of what is pointed out—and now universally acknowledged—to be a remarkable survival—almost the only one left in the world—of "living art," but which is threatened with gradual extinction by reason of the spread of Western ideals and fashions. The matter assumed some years ago the form of a mild controversy centring round the question of the then much discussed project of the Government of India's new capital at Delhi. It was urged that this project should be utilised to give the required impetus to Indian art rather than that it should be made a means of fostering European art which needed no such encouragement at India's expense. The advocates of this view appear for the most part to have been adherents of the "indigenous Indian" school of archaeologists already mentioned, and to have based their ideas on their own reading of the past. They still muster a considerable following not only amongst the artistic public of England and India, but even within the Government services. Their opponents, holding what appears to be the more official view both as to archaeology and art, have pointed to the "death" of all the arts of the past in other countries as an indication of a natural law, and deprecate as waste of energy all efforts to resist this law, or to institute what they have termed "another futile revival"! The British in India they contend, should do as did the ancient Romans in every country on which they planted their conquering foot. As those were wont to replace indigenous art with that of Rome, so should we set our seal of conquest permanently on India by the erection of examples of the best of British art. This is the view which, as we have indicated, appears to have obtained for the moment the more influential hearing, and the task of designing and directing the construction

of the principal buildings in the new Capital was accordingly entrusted jointly to two famous British architects, neither of whom can be unduly influenced by either past or recent architectural practice so far as India is concerned. The building of New Delhi is perhaps too recent an event for the passing of a definite verdict. The work of Sir Edwin Lutyens and Sir Herbert Baker abides the judgment of posterity. If that work has had its severe critics, it has also received the commendation of many. The cream domes set on tall bases, rise from the centre of the Secretariat buildings, and surmounted by cupolas have reminded some of Bramante's work in Rome, or the Pantheon or Wren's dome of St Paul's. Below there are the semi-circular entrances resembling Moghul doorways, the rows of comparatively small windows, some filled with pierced sandstone screens somewhat distract the eye, and seem to mar the effect of sturdiness prevailing throughout. The Secretariats were meant no doubt to usher the visitor to New Delhi to the "piece de resistance" of the architectural composition, the Viceroy's House. Standing where it does this building is intended to dominate and necessarily arrests the gaze of the visitor, while its massive end walls, with stepped entablature capped by saucer fountains are said to give the architectural eye a feeling of safety against spreading. This feeling of security continues as the spectator's gaze travels down the unusual design of the metallated dome to the solid projecting bays that contain the statues of King George V and Queen Mary, which complete the composition. Some think that the colour scheme avoids the "glaring disunity" in Moghul buildings when the white luminous marble was used with similar red sandstone, for here, the two sandstones, red and cream are blended and co-ordinated. With regard to the interior decorations of New Delhi, strenuous efforts were made by those who believed in the enterprise as a point of focus for the revival of Indian art to obtain for the Indian art schools and artists commissions to carry out the mural paintings required in the new buildings. After a great deal of public agitation on this subject in Bombay some commissions of this kind were given by the Government of India, based on the results of a public competition. But in spite of the indubitable success of many of the paintings, and the proof furnished thereby of the Indian artist's capacities for this kind of work, nothing further has been accomplished in the matter since the end of 1929.

The controversy of East and West, however vital to the interests of the country's architecture, is too purely technical for its merits to be estimated by the general reader or discussed here. Its chief claim on our attention lies in the fact that it affords an added interest to the tourist, who may see the fruits of both schools of thought in the modern buildings of British India as well as examples of the "master builders' work in nearly every native town and bazaar. The town of Lucknow in Gwalior State may be cited as peculiarly rich in instances of picturesque modern Indian street architecture, while at Sirpur, Udaipur, Benares, etc., this class of work may be studied in many different forms both civil and religious.

Industrial Arts.

The ancient industrial arts of India formed two distinct groups. The first included those allied to, and dependent upon architecture, the second comprise those applied to articles devoted to religious ritual, military weapons and trappings, domestic accessories and to personal adornment.

The articles of the first group were intended for some fixed and definite position and the style of their design and the character of their workmanship were dictated by that of the building with which they were incorporated. Those of the second group were movable, and the range of their design was less constricted and their workmanship was more varied. Examples of work in both groups are so numerous, and the arts comprise such a diversity of application, that only a cursory survey can be attempted within the limits of a short review. Although the design and treatment differ in the two groups, the materials used were often the same. These materials cover a very wide range but space only permits of reference to work applied to the four materials upon which the Indian craftsman's skill has been most extensively displayed. These are stone, wood, metal and textiles.

Before dealing separately with each of these materials a few words upon the principal Indian styles are necessary. The two distinctive styles are Hindu and Mahomedan. The former may be termed indigenous, dating as it does from remote antiquity, the latter was a variation of the great Arabian style, which was brought into India in the fourteenth century, and has since developed features essentially Indian in character. The art of both Hindus and Mahomedans is based upon religion and the requirements of religious ritual. The obvious expression of this is shown in the different motifs used for their ornament. In Hindu art all natural forms are accepted and employed for decorative purposes, but in that of the Mahomedans, nearly all natural forms are rejected and forbidden. The basis of Mahomedan decoration is therefore mainly geometrical. In each of them, racial characteristics are strikingly exhibited. The keynote of Hindu work is exuberance, imagination and poetry, that of Mahomedan, reticence, intellect and good taste. The Hindus are lavish, and often indiscriminating in their employment of ornament, the Mahomedans use more restraint. In fact the two styles may be compared, without straining the analogy, to the Gothic and classic styles in Europe. In both styles the fecundity of ideas and invention in design are marvellous, and the craftsmanship often reaches a very high standard. Hindu art had been subjected throughout the ages to many foreign influences, but the artistic instincts of the people have proved so conservative that, whether these alien ideas came from the east or the west, they have often been absorbed, and are now stamped with a definite Indian character. Recognition of this fact should relieve the anxiety of those critics who fear that the penetration of Western art and culture into India at the present time will eventually rob Indian art of its national character.

Stone Work—The principal form of stone work employed by the Hindu temples in India and especially those from the thirteenth century in the famous Brahminical Cave Temples, and the delicate sculpture of the temples of the south to the delicate fretted and carved brackets, fretted ornament of the Jai Prakash at Abu. A curious illustration to Hindu work is that plenty of stone carvings are devoted to artistic design. It is not a matter of course, as in the case of Greek, Roman and Mediaeval art, that the artist has to make steps from a naturalistic style to the idealistic polished style of the classical style. In India, however, the artist's style is fully developed, the artist's example of the finest craftsmanship that the world has seen. There can be little doubt that stone carving in India was simply the expression of the wood carver's art to a different material. The treatment of stone by the Hindu craftsman even in the construction of the pillars of the Hindu temple bears a closer resemblance to the practice of the wood worker than to that of the stone carver. The other wooden examples from which the stone buildings and their decorations were derived have long since disappeared, but the influence is apparent. The keynote of Hindu design is rhythm rather than symmetrical that of their craftsmanship, more rather than refinement. In the carving of the human figure and of animals, great power of expression is shown, and this spontaneous feeling is preserved despite the greatest elaboration and detail. The industry displayed is amazing, no amount of labour appears to have daunted the Hindu craftsmen in carving out their huge and intricate schemes of decoration.

The stone carving on Mahomedan buildings except where Hindu carvers have been allowed a free hand, is much more restrained than that on Hindu temples. The fact that geometrical forms were almost exclusively used, dictated lower relief and greater refinement in the carving, while the innate good taste of the designers prompted them to concentrate the ornament upon certain prominent features, where its effect was heightened by the simplicity of the rest of the building. The invention displayed in working out geometrical patterns for work screens, inlay, and other ornamental details appears to be inexhaustible, while wonderful decorative use has been made of Arabic and Persian lettering in panels and their framing. To obtain a rich effect the Hindus relied upon the play of light and shade upon broken surfaces, the Mahomedans to attain the same end used precious materials veneering the surfaces of their buildings with polished marble which they decorated with patterns of mosaic composed of jade, agate, onyx and other costly stones. Although the art of inlaying and working in hard stones was of Italian origin, it proved to be one eminently suited to the genius of the Indian craftsman, and many wonderful examples of their skill in the form of book rests, tables, trones, footstools, vases and sword handles are extant to show the height of proficiency they attained. The treatment of precious

Archæology.

The ancient monuments of India are as varied as they are numerous. Until a few years ago, the earliest known were the brick and stone erections of the Maurya period, a group of mounds at Lauriya Nandangirh, illustrative of the Vedic funeral customs and assignable roughly to the 7th or 8th century B C, and some rough stone walls at the ancient city of Rajagriha of about the same period. The absence of structures of an earlier period was then supposed to be due to the fact that all previous architecture had been of wood and had completely perished. The recent excavations, however, at Mohenjo-daro in Sind and at Harappa in the Punjab, have completely revolutionised ideas on this subject and proved that as far back as the 3rd or 4th millennium B C and probably much earlier still India was in possession of a highly developed civilization with large and populous cities, well built houses, temples and public buildings of brick and many other amenities enjoyed at that period by the peoples of Mesopotamia and Egypt. Both at Mohenjo-daro and Harappa there are the remains of some 5 or 6 cities superimposed one upon the ruins of another.)

The structures that have so far been exposed at Mohenjo-daro belong to the three latest cities on the site. Those of the third or earliest are the best in style, those of the first the poorest. Most of the structures are dwelling houses or shops, but there are others which appear to have been temples and one—of particularly massive proportions—is a large bath, surrounded by fenestrated galleries and halls. All were built of well burnt brick and most of them were of two or more storeys with staircases giving access to the upper rooms. In and around the ruins have been found many minor antiquities including gold and silver jewellery, engraved seals of stone and ivory and paste copper implements and vessels, terracotta figurines and toys, shell ornaments and potteries both painted and plain.

These discoveries establish the existence in Sind and the Punjab during the 4th and 3rd millennia B C of a highly developed city life, and the presence, in many of the houses, of wells and bathrooms as well as an elaborate drainage system betoken a social condition of the citizens at least equal to that found in Sumer and superior to that prevailing in contemporary Babylonia and Egypt. The inhabitants of these cities lived largely no doubt by agriculture and it is a point of interest that the specimens of wheat found at Mohenjo-daro resemble the common variety grown in the Punjab to-day. Besides bread, their food appears to have included beef, mutton, and pork, the flesh of tortoises, turtles and gharial, fresh fish from the Indus and dried fish from the sea coast. Among their domesticated animals were the humped Indian bull, the buffalo, a short horned bull, the sheep, pig, dog and elephant. Besides gold and silver they used copper, tin, bronze and lead, they were familiar with the arts of spinning and weaving and with the cultivation of cotton and had attained a high degree of proficiency in the jeweller's and potter's arts.

That they possessed a well developed system of writing is evidenced by the discovery of over a thousand tablets engraved with well executed animal devices and pictographic legends in an unknown script. The method of disposal of the dead at Mohenjo-daro is uncertain but at Harappa two types of burial have been met with, namely, complete burials along with funerary pottery, and "pot burials". Only 27 of the latter have been examined and these were found to contain skulls and human bones and are seemingly fractional burials.

This Indus Valley culture has now been traced as far as Rupar in the Ambala District, relatively close to the watershed of the Sutlej and Jumna and it is therefore highly improbable that this civilization was confined to the Indus Valley and there can hardly be any reasonable doubt that future researches will trace it into the valley of the Ganges. Of the long period of more than 2,000 years that separates the pre historic monuments referred to above from the historic period of India, little or nothing is yet known but there is every hope that this gap in our knowledge may be filled in by further excavations. From the time of the Mauryas, i.e., 3rd century B C, the history of architecture and the formative arts of India is clear and can be traced with relative precision.

Monumental Pillars—The monuments which have come down to us from the Maurya period, include, besides the caves to be referred to below, the wooden palisade (4th century B C) which surrounded the ancient city of Pataliputra (modern Patna), and of which a large section has been exposed, the rock and pillar edicts of Asoka (c. 250 B C), the remains of a large pillared hall constructed by the same emperor at Pataliputra, a number of brick stupas and a monolithic rail which originally surmounted an Asoka stupa at Sarnath near Benares. Altogether thirteen pillars of Asoka are known besides the Elephant capital of a 14th at Sankisa and a fragment of a 15th at Benares. Ten of them bear his inscriptions. Of these the Lauriya-Nandangirh column in the Champaran District Tirhut, is practically uninjured. The capital of each column, like the shaft, was monolithic, and comprised three members, viz, a Persepolitan bell, abacus, and crowning sculpture in the round. By far the best capital of Asoka's time was that exhumed at Sarnath near Benares. The four lions standing back to back on the abacus are carved with extraordinary precision and accuracy, and originally supported a wheel symbolizing the law of piety preached by the Buddha. Several pieces of this wheel were found and are now preserved in the Archaeological Museum at Sarnath. Of the post-Asokan period one pillar (B C 150) stands to the north-east of Benagar in the Gwalior State, another in front of the cave of Karli (A D 70), and a third at Eran in Central Provinces belonging to the 5th Century A D. All these are of stone but there is one of iron also. It is near the Qutb Minar at Delhi, and an inscription on it speaks of its having been erected by a king called Chandra identified with Chandragupta II (A D 375,

413) of the Gupta dynasty. It is wonderful "to find the Hindus at that age forging a bar of iron larger than any that have been forged even in Europe to a very late date, and not frequently even now." Pillars of later style are found all over the country, especially in the Madras Presidency. No less than twenty exist in the South Kanara District. A particularly elegant example faces a Jaina temple at Muddabidri, not far from Mangalore.

Topes—*Stupas*, known as *dagabas* in Ceylon and commonly called *Topes* in North India, were constructed either for the safe custody of relics hidden in a chamber often near the base or to mark the scene of notable events in Buddhist or Jaina legends. Though we know that the ancient Jains built *stupas*, no specimen of Jaina *stupas* is now extant. A notable structure of this kind which existed until recent times, was the Jaina *stupa* which stood on the Kankali Tila site at Muttra and yielded a large number of Jaina sculptures now deposited in the Provincial Museum at Lucknow. Of those belonging to the Buddhists, the great *Tope* of Sanchi in Bhopal is the most intact and entire of its class. It consists of a low circular drum supporting a hemispherical dome of less diameter. Round the drum is an open passage for circumambulation, and the whole is enclosed by a massive stone railing with lofty gates facing the cardinal points. The gates are essentially wooden in character, and are carved inside and out, with elaborate sculptures. The original *stupa*, which was of brick and not more than half the present dimensions, was apparently erected by Asoka at the same time as his lion-crowned pillar near the south gate, but as Sir John Marshall's recent explorations have conclusively shown, its outer casing of stone, the railing and the gateways were at least 150 and 200 years later, respectively. Other famous Buddhist *stupas* that have been found are those of Sarnath, Bharhut between Allahabad and Jubbulpore, Amravati in the Madras Presidency, and Piprahwa on the Nepalese frontier. The *tope* proper at Bharhut has entirely disappeared, having been utilised for building villages, and what remained of the rail has been removed to the Calcutta Museum. The bas-reliefs on this rail which contain short inscriptions and thus enable one to identify the scenes sculptured with the *Jatakas* or Birth Stories of the Buddha give it a unique value. The *stupa* at Amravati also no longer exists, and portions of its rail, which is unsurpassed in point of elaboration and artistic merit, are now in the British and Madras Museums. The *stupa* at Piprahwa was opened by Mr W C Peppe in 1898, and a steatite or soap-stone reliquary with an inscription on it was unearthed. The inscription, according to many scholars speaks of the relics being of the Buddha himself and enshrined by his kinsmen, the Sakyas. If this interpretation is correct, we have here one of the *stupas* that were erected over the ashes of Buddha immediately after his demise.

Caves—Of the rock excavations which are one of the wonders of India, nine tenths belong to Western India. The most important groups of caves are situated in Bhaja, Bedsa, Karli, Kanheri, Junnar, and Nasik in the Bombay Presidency, Ellora and Ajanta in Nizam's Dominions, Barabar and Nagarjuna 16 miles

north of Gaya, and Udayagiri and Khandagiri 20 miles from Cuttack in Orissa. The caves belong to the three principal sects into which ancient India was divided, viz., the Buddhists, Hindus and Jains. The earliest caves so far discovered are those of Barabar and Nagarjuna which were excavated by Asoka and his grandson Dasaratha, and dedicated to Ajivika, a naked sect founded by Mankhalliputra Gotama. The next earliest caves are those of Bhaja, Pitalkhora and cave No. 9 at Ajanta and No. 19 at Nasik. They have been assigned to 200 B.C. by Ferguson and Dr Burgess. But there is good reason to suppose from Sir John Marshall's recent researches and from epigraphic considerations that they are considerably more modern. The Buddhist caves are of two types—the *chaityas* or chapel caves and *viharas* or monasteries for the residence of monks. The first are with vaulted roofs and horse shoe shaped windows over the entrance and have interiors consisting of a nave and side aisles with a small *stupa* at the inner circular end. They are thus remarkably similar to Christian basilicas. The second class consist of a hall surrounded by a number of cells. In the later *viharas* there was a sanctum in the centre of the back wall containing a large image of Buddha. Hardly a *chaitya* is found without one or more *viharas* adjoining it. Of the Hindu cave temples that at Elephanta near Bombay is perhaps the most frequented. It is dedicated to Siva and is not earlier than the 7th century A.D. But by far the most renowned cave temple of the Hindus is that known as Kailasa at Ellora. It is on the model of a complete structural temple but carved out of solid rock. It also is dedicated to Siva and was excavated by the Rashtrakuta king, Krishna I, (A.D. 768), who may still be seen in the paintings in the ceilings of the upper porch of the main shrine. Of the Jaina caves the earliest are at Khandagiri and Udayagiri those of the medieval type, in Indra Sabha at Ellora and those of the latest period, at Ankal in Nasik. The ceilings of many of these caves were once adorned with fresco paintings. Perhaps, the best preserved among these are those at Ajanta, which were executed at various periods between 350-650 A.D. and have elicited high praise as works of art. Copies were first made by Major Gill, but most of them perished by fire at the Crystal Palace in 1866. The lost ones were again copied by John Griffiths of the Arts School, Bombay, half of whose work was similarly destroyed by a fire at South Kensington. They were last copied by Lady Herringham during 1909-11. Her pictures, which are in full scale, are at present exhibited at the Indian Section of the Victoria and Albert Museum, South Kensington, and have been reproduced in a volume brought out by the India Society. Another group of caves where equally interesting though less well preserved paintings exist is found at Bagh in Gwalior State. These caves form the subject of a monograph issued by the India Society.

Gandhara Monuments—On the north-west frontier of India, anciently known as Gandhara, are found a class of remains, ruined monasteries and buried *stupas*, among which we notice for the first time representations of Buddha and the Buddhist pantheon. The free use of Corinthian capitals, friezes of nude Erotes bearing a long

arland, winged Atlantes without number, and host of individual motifs clearly establish the influence of Hellenistic art. The mound at Peshawar, locally known as Shah-jī-kī-Dherī, which was explored in 1909, brought to light several interesting sculptures of this school together with a reliquary casket, the most remarkable bronze object of the Gandhara period. The inscription on the casket left no doubt as to the mound being the *stupa* raised over a portion of the body relics of Buddha by the Indo-Scythian king Kanishka. They were presented by Lord Minto's Government to the Buddhists of Burma and are now enshrined at Mandalay. To about the same age belong the *upas* at Manikyala in the Punjab opened by Anjlt Singh's French Generals, Ventura and Court, in 1830. Some of them contained coins of Kanishka.

Structural Temples—Of this class the earliest examples are the Varaha temple at Egarh, District Jhansi, another temple at Machi, the brick temples at Bhutargaon in the District of Cawnpore, and the temples at Tigowa, Achna, Eran and Bhumara all of which belong to the Gupta period and a later one at Tigowa in the Central Provinces. In South India we have no more examples, viz., Lad Khan and Durga temples at Aihole in Bijapur, the latter of which cannot be later than the eighth century A.D. The only common characteristic is flat roofs without spires of any kind. In other respects they are entirely different and already here we mark the beginning of the two styles, Indo-Aryan and Dravidian, whose differences become more and more pronounced from the 7th century onwards. In the Indo-Aryan style, the most prominent ones tend to the perpendicular, and in the Dravidian to the horizontal. The chief feature of the former again is the curvilinear steeple, and of the latter, the pyramidal tower. The most notable examples of the first kind are to be found among the temples of Bhubaneswar in Orissa, Khajuraho in Bundelkhand, and in Jodhpur, and Dilwara on Mount Abu. One of the best known groups in the Dravidian style is that of the Mamallapuram Rathes, or Seven Pagodas, on the seashore to the south of Madras. They are each hewn out of a block of granite, and are rather models of temples than rathes. They are the earliest examples of typical Dravidian architecture, and belong to the 7th century. To the same age has to be assigned the temple of Kailasanath at Conjeeraram, and to the following century some of the temples at Aihole and Pattadakal of the Bijapur District, Bombay Presidency, and the monothetic temple of Kailasa at Ellora, referred to above. Of the later Dravidian style the great temple at Tanjore and the Srirangam temple near Trichinopoly are the best examples.

Intermediate between these two main styles comes the architecture of the Deccan, called Chalukyan by Fergusson. In this style the plan becomes polygonal and star shaped instead of quadrangular, and the high-storeyed spire is converted into a low pyramid in which the horizontal treatment of the Dravidian is combined with the perpendicular of the Indo-Aryan. Some fine examples of this type exist at Dambal, Rattihalli, Liliwalli and Hangal in the Marwar, Bombay Presidency, and at Ittagi and Warangal in Nizam's Dominions. But

it is in Mysore among the temples at Hallebid Belur, and Somnathpur that the style is found in its full perfection.

Inscriptions—We now come to inscriptions, of which numbers have been brought to light in India. They have been engraved on varieties of materials, but principally on stone and copper. The earliest of these are found incised in two distinct kinds of alphabet, known as Brahmi and Kharoshthi, the latter being confined to the north-west of India. The Brahmi was read from left to right, and from it have been evolved all the modern vernacular scripts of India. The Kharoshthi was written from right to left, and was a modified form of the ancient Aramaic alphabet introduced into the Punjab during the period of the Persian domination in the 5th century B.C. It was prevalent up to the 4th century A.D., and was supplanted by the Brahmi. The earliest dateable inscriptions are the celebrated edicts of Asoka to which a reference has been made above. One group of these has been engraved on rocks, and another on pillars. They have been found from Shahbazgarhi 40 miles north-east of Peshawar to Nighva in the Nepal Tarai, from Gurnar in Kathiawar to Dhaul in Orissa, from Kalsi in the Lower Himalayas to Siddapur in Mysore, showing by the way the vast extent of territory held by him. The reference in his Rock Edicts to the five contemporary Greek Princes, Antiochus II of Syria, Ptolemy Philadelphus, and so forth is exceedingly interesting, and fixes B.C. 269 as the date of his coronation. His Rummindei pillar inscription, again, discovered in Nepal Tarai, now settles, beyond all doubt, the birth-place of Buddha which was for long disputed. Another noteworthy record is the inscription of the Besnagar pillar. The pillar had been known for a long time but Sir John Marshall was the first to notice the inscription on it. It records the erection of this column, which was a Garuda pillar, in honour of the god Visudeva by one Heliodoros, son of Dion, who is described as an envoy of King Antialcidas of Taxila. Heliodoros is herein called a *Bhagavata*, which shows that though a Greek he had become a Hindu and presumably a Vaishnava. Another inscription worth noticing and especially in this connection is that of Cave No. 10 at Nasik. The donor of this cave, Ushavadata, who calls himself a Saka and was thus an Indo-Scythian, is therein spoken of as having granted three hundred thousand kine and sixteen villages to gods and Brahmins and as having annually fed one hundred thousand Brahmins. Here is another instance of a foreigner having embraced Hinduism. Thus for the political, social, economical and religious history of India at the different periods the inscriptions are invaluable records, and are the only light but for which we are 'forlorn and blind.'

Saracenic Architecture—This begins in India with the 13th century after the permanent occupation of the Muhammadans. Their first mosques were constructed of the materials of Hindu and Jain temples, and sometimes with comparatively slight alterations. The mosque called *Arhar-din-la-jhompra* at Ajmer and that near the Qutb Minar are instances of this kind. The Muhammadan architecture of India varied at different periods and under the various dynasties, imperial and local. The

early Pathan architecture of Delhi was massive and at the same time was characterised by elaborate richness of ornamentation. The Quth Minar and tombs of Alauddin and Ala-ud-din Khilji are typical examples. Of the Sharqi style we have three mosques in Jaunpur with several tombs. At Mandu in the Dhar State, a third form of Saracenic architecture sprang up, and we have here the Jamī Masjid, Hoshang's tomb, Jahaz Mahal and Hindola Mahal as the most notable instances of the peculiar and ecclesiastical styles of the Malwa Pathans. The Muhammadans of Bengal again developed their own style, and Pandua, Malda, and Gaur teem with the ruins of the buildings of this type, the important of which are the Adina Masjid of Sikandar Shah, the Ilakhli mosque, Kadam Rasul Masjid, and so forth. The Bahmani dynasty of Gulbarga and Bidar were also great builders, and adorned their capitals with important buildings. The most striking of these is the great mosque of Gulbarga, which differs from all mosques in India in having the whole central area covered over so that what in others would be an open court is here roofed by sixty-three small domes. "Of the various forms which the Saracenic architecture assumed," says Fergusson, "that of Ahmedabad may probably be considered to be the most elegant." It is notable for its carved stone work, and the work of the perforated stone windows in Sidi Sayyid's mosque, the carved niches of the minars of many other mosques, the sculptured *Mihrabs* and domed and panelled roofs is so exquisite that it will rival anything of the sort executed elsewhere at any period. No other style is so essentially Hindu. In complete contrast with this was the form of architecture employed by the Adil Shahi dynasty of Bijapur. There is here relatively little trace of Hindu forms or details. The principal buildings now left at Bijapur are the Jamī Masjid, Gagan Mahal, Mihtar Mahal, Ibrahim Rauza and mosque and the Gol Gumbaz. Like their predecessors, the Pathans of Delhi, the Moghuls were a great building race. Their style first began to evolve itself during the reign of Akbar in a combination of Hindu and Muhammadan features. Noteworthy among the emperor's buildings are the tomb of Humayun, and the palaces at Fatehpur Sikri and Agra. Of Jehangir's time his mosque at Lahore and the tomb of Itimad-ud-daula are the most typical structures. "The force and originality of the style gave way under Shah Jahan to a delicate elegance and refinement of detail." And it was during his reign that the most splendid of the Moghul tombs, the Taj Mahal at Agra, the tomb of his wife Mumtaz Mahal, was constructed. The Moti Masjid in Agra Fort is another surpassingly pure and elegant monument of his time.

Archæological Department—As the archæological monuments of India must attract the attention of all intelligent visitors, they would naturally feel desirous to know something of the Archæological Department. The work of this Department is primarily two fold, conservation, and research and exploration. None but spasmodic efforts appear to have been made by Government in these directions till 1870 when they established the Archæological Survey of India and entrusted it to General (afterwards Sir) Alexander Cunningham, who was also the

first Director General of Archæology. The next advance was the institution of the local Surveys in Bombay and Madras three years after. The work of these surveys, however, was restricted to antiquarian research and description of monuments, and the task of conserving old buildings was left to the faithful efforts of the local Governments, often without expert guidance or control. It was only in 1875 that the Government of India under Lord Lytton awoke to this deplorable condition, and sanctioned a sum of 32 lakhs to the repair of monuments in United Provinces, and soon after appointed a conservator, Major Cole, who did useful work for three years. Then a reaction set in, and his post and that of the Director General were abolished. The first systematic step towards recognising official responsibility in conservation matters was taken by Lord Curzon's Government, who established seven of the eight Archæological Circles that now obtain, placed them on a permanent footing and united them together under the control of a Director General, provision being also made for subsidising local Governments out of Imperial funds, when necessary. The Ancient Monuments Preservation Act was passed for the protection of historic monuments and relics, especially in private possession and also for State control over the excavation of ancient sites and traffic in antiquities. Under the direction of Sir John Marshall, Kt., C.B., late Director General of Archæology, a comprehensive and systematic campaign of repair and excavation has been prosecuted, and the result of it is manifest in the present altered conditions of many old and historic buildings and in the scientific excavation of buried sites such as Taxila, Patalliputra, Sanchi in the Bhopal State, Sarnath near Benares, Nalanda in Bihar, Pharrapur in Bengal and Nagarjuna-konda in Madras and in the Indus Valley at Harappa in the Punjab and Mohenjodaro in Sind. Of all these works those of most general interest are the Mohenjodaro excavations, for here the Archæological Department have unearthed remains of prehistoric cities dating back to 3000 B.C. and further. The Archæological Survey has devoted considerable attention to the organization and development of museums as centres of research and education. It maintains the archæological section of the Indian Museum at Calcutta, small museums at the Taj, and at the Ports at Agra, Delhi and Lahore, the Central Asian Antiquities Museum at New Delhi and has erected local museums at the excavated sites of Taxila, Sarnath, Nalanda, Mohenjodaro and Harappa with the object of keeping the small movable antiquities recovered at these sites in close association with the structural remains to which they belong, so that they may be studied amid their natural surroundings and not lose focus and meaning by being transported to some distant place.

The epigraphical material dealt with by the Archæological Survey has enabled the history and chronology of the various dynasties of India to be established on a firmer basis and in greater detail. The "Epigraphia Indica" is now in the 21st volume a revised edition of the Asoka inscriptions has been recently published while the companion volume of post Asokan Brahmi inscriptions is under preparation. A volume of non Asokan Kharosthi inscriptions was published two years ago.

Indian Time.

For many years Indian time was in a state of chaotic confusion. What was called Madras or railway time was kept on all the railways and each great centre of population kept its own local time, which was not based on any common scientific principle and was divorced from the standards of all other countries. It was with a view to remedying this confusion that the Government of India took the matter up in 1904, and addressed to the Local Governments, and through them to all local bodies, a long letter which reviewed the situation and made suggestions for the future. The essential points in this letter are indicated below.

"In India we have already a standard time, which is very generally, though by no means universally, recognised. It is the Madras local time, which is kept on all railway and telegraph lines throughout India and which is 5h 21m 0s in advance of Greenwich. Similarly, Rangoon local time is used upon the railways and telegraphs of Burma, and is 6h 24m 47s ahead of Greenwich. But neither of these standards bears a simple and easily remembered relation to Greenwich time.

"The Government of India have several times been addressed by Scientific Societies, both in India and in England, and urged to fall into line with the rest of the civilised world. And now the Royal Society has once more returned to the attack. The Committee of that Society which advises the Government of India upon matters connected with its observatories, writes—'The Committee think that a change from Madras time to that corresponding to a longitude exactly 5½ hours east of Greenwich would be an improvement upon the existing arrangements, but that for international scientific purposes the hourly zone system, making the time 5 hours in advance of Greenwich in the west, and 6 hours in advance in the east of India would be preferable.'

"Now if India were connected with Europe by a continuous series of civilised nations with their continuous railway systems all of which had adopted the European hour-zone system, it would be imperative upon India to conform and to adopt the second suggestion. But as she is not, and as she is as much isolated by uncivilised States as Cape Colony is by the ocean, it is open to her to follow the example of that and some other similarly situated colonies and to adopt the first suggestion.

"It is believed that this will be the better solution. There are obvious objections to drawing an arbitrary line right across the richest and most populous portions of India, and so as to bisect all the main lines of communication, and keeping times differing by an hour on opposite sides of that line. India has become accustomed to a uniform standard in the Madras time of the railways, and the substitution for it of a double standard would appear to be a retrograde step, while it would, in all probability, be strongly opposed by the railway

authorities. Moreover, it is very desirable that whatever system is adopted should be followed by all Europeans and Indians alike, and it is certain that the double standard would puzzle the latter greatly, while by emphasising the fact that railway differed from local time, it might postpone or even altogether prevent the acceptance of the former instead of the latter by people generally over a large part of India. The one great advantage which the second possesses over the first alternative is, that under the former, the difference between local and standard time can never exceed half an hour, whereas under the latter it will even exceed an hour in the extreme cases of Karachi and Quetta. But this inconvenience is believed to be smaller than that of keeping two different times on the Indian system of railways and telegraphs.

"It is proposed, therefore, to put on all the railway and telegraph clocks in India by 8m 50s. They would then represent a time 5½ hours faster than that of Greenwich, which would be known as **Indian Standard Time**, and the difference between standard and local time at the places mentioned below would be approximately as follows, the figures representing minutes, and F and S meaning that the standard time is in advance of or behind local time respectively.—Dibrugarh 51 S, Shillong 38 S, Calcutta 24 S, Allahabad 2 F, Madras 9 F, Lahore 33 F, Bombay 39 F, Peshawar 44 F, Karachi 62 F, Quetta 62 F.

"This standard time would be as much as 54 and 55 minutes behind local time at Mandalay and Rangoon, respectively, and since the railway system of Burma is not connected with that of India, and already keeps a time of its own, namely, Rangoon local time, it is not suggested that Indian Standard Time should be adopted in Burma. It is proposed however, that instead of using Rangoon Standard Time as at present, which is 6h 24m 47s in advance of Greenwich, a Burma Standard Time should be adopted on all the Burmese railways and telegraphs, which would be one hour in advance of Indian Standard Time, or 6½ hours ahead of Greenwich time, and would correspond with 97° 30' E longitude. The change would bring Burma time into simple relation both with European and with Indian time, and would (among other things) simplify telegraphic communication with other countries.

"Standard time will thus have been fixed for railways and telegraphs for the whole of the Indian Empire. Its general adoption for all purposes, while eminently advisable, is a matter which must be left to the local community in each case.

It is difficult to recall, without a sense of bewilderment, the reception of this proposal by various local bodies. To read now the fears that were entertained if Standard Time was adopted is a study in the possibilities of human

error. The Government scheme left local bodies to decide whether or not they would adopt it. Calcutta decided to retain its own local time and to day Calcutta time is still twenty-four minutes in advance of Standard Time. In Bombay the first reception of the proposal was hostile, but on reconsideration the Chamber of Commerce decided in favour of it and so did the Municipality. Subsequently the opposing element in the Municipality brought in a side resolution, by which the Municipal clocks

were put at Bombay time which is thirty nine minutes behind standard time. On the 1st January 1906, all the railway and telegraph clocks in India were put at Indian Standard Time. In Burma the Pagan Standard Time became universal. Calcutta retained its former Calcutta time, but in Bombay local time is retained only in the clocks which are maintained by the Municipality and in the establishments of some orthodox Hindus. Elsewhere standard time is universal.

TIDAL CONSTANTS.

The approximate standard time of High Water may be found by adding to, or subtracting from, the time of High Water at London Bridge, given in the calendar, the correction given as below —

	H, M		H, M
Gibraltar	sub, 0 32	Rangoon River Entrance	sub, 1 25
Malta	add 1 31	Peking	sub 1 29
Karachi	sub 2 13	Singapore .. .. .	.. .. 3 25
Bombay .. .. .	.. .. 1 41	Hongkong .. .. .	.. .. 4 27
Goa .. .. .	.. .. 2 41	Shanghai .. .. .	.. .. 0 21
Point de Galle	add 0 12	Yokohama .. .. .	.. .. add 3 6
Madras	sub 5 6	Valparaiso	sub 1 40
Calcutta .. .. .	.. .. 0 19	Buenos Ayres	add 4 9
Rangoon Town	add 2 41	Monte Video .. .. .	.. .. 0 32

PROVING OF WILLS

In British India if a person has been appointed executor of the will of a deceased person, it is always advisable to prove the will as early as possible. If the will is in a vernacular it has to be officially translated into English. A petition is then prepared praying for the grant of probate of the will. All the property left by the deceased has to be disclosed in a schedule to be annexed to the petition. The values of immovable properties are usually assessed at 16½ years purchase on the nett Municipal assessment. For estate under Rs 1,000 no probate duty is payable, up to Rs 9,000 in excess of first Rs 1,000 the duty is at 2%, between Rs 10,000 and Rs 50,000 the duty payable is at 3% and between Rs 50,000 and 1,00,000 the duty payable is at 4% and over Rs 1,00,000 the duty payable is @ 5%. In determining the amount of the value of the estate for the purposes of probate duty the following items are allowed to be deducted

1 Debts left by the deceased including mortgage encumbrances

2. The amount of funeral expenses

3. Property held by the deceased in trust and not beneficially or with general power to confer a beneficial interest

The particulars of all these items have to be stated in a separate schedule. It is the practice of the High Court to send a copy of these schedules to the Revenue authorities and if the properties particularly immovable properties have not been properly valued, the Revenue department require the petition to be amended accordingly. In certain cases the Court then requires citations to be published and served on such persons as the Court thinks are interested in the question of the grant of probate. If no objection is lodged by any person so interested within 14 days after the publication or service of citation and if the will is shown to have been properly executed and the petitioner entitled to probate, probate is ordered to be granted.

. Coinage, Weights and Measures.

As the currency of India is based upon the rupee, statements with regard to money are generally expressed in rupees, nor has it been found possible in all cases to add a conversion into sterling. Down to about 1877 the gold value of the rupee (containing 165 grains of pure silver) was approximately equal to 2s. or one-eighth of a £, and for that period it is easy to convert rupees into sterling by multiplying off the final cipher (Rs. 1,000 = £100). But after 1877 owing to the depreciation of silver as compared with gold throughout the world, there came a serious and progressive fall in the exchange, until at one time the gold value of the rupee dropped as low as 1s. In order to provide a remedy for the heavy losses caused to the Government of India in respect of its gold payments to be made in England, and also to relieve foreign trade and finance from the inconvenience due to constant and unforeseen fluctuations in exchange, it was resolved in 1893 to close the India to the free coinage of silver, and thus force up the value of the rupee by restoring the old standard. The intention was to raise the exchange value of the rupee to 1s. 4d., and then introduce a gold standard at the rate of Rs. 15-51. From 1899 onwards the value of the rupee was maintained, with insignificant fluctuations, at the proposed rate of 1s. 4d. until February 1920 when the recommendation of the Committee appointed in the previous year that the rupee should be linked with gold and not with silver at 2s. instead of 1s. 4d. was adopted. This was followed by great fluctuations (See article on Currency System).

Notation—Another matter in connection with the expression of money, statements in terms of rupees requires to be explained. The method of numerical notation in India differs from that which prevails throughout Europe. Large numbers are not punctuated in hundreds of thousands and millions, but in lakhs and crores. A lakh is one hundred thousand (written out as 1,00,000), and a crore is one hundred lakhs or ten millions (written out as 1,00,00,000). Consequently, according to the exchange value of the rupee, a lakh of rupees (Rs. 1,00,000) may be read as the equivalent of £10,000 before 1877, and as the equivalent of (about) £607 after 1899, while a crore of rupees (Rs. 1,00,00,000) may similarly be read as the equivalent of £1,000,000 before 1873, and as the equivalent of (about) £666,667 after 1899. With the rupee at 1s. 6d. a lakh is equivalent to £7,500 and a crore is equivalent to £75,000.

Coinage—Finally, it should be mentioned that the rupee is divided into 16 annas, a fraction commonly used for many purposes by both Indians and Europeans. The anna was formerly reckoned as 1d., it may now be considered as exactly corresponding to 1d. The anna is again sub-divided into 12 pies.

Weights—The various systems of weights used in India combine uniformity of scale with immense variations in the weight of units.

The scale used generally throughout Northern India, and less commonly in Madras and Bombay, may be thus expressed: one maund = 40 seers, one seer = 16 chittala or 80 tolas. The actual weight of a seer varies greatly from district to district, and even for a village to village, but in the standard system the total is 140 pounds Troy (the exact weight of the rupee), and the seer thus weighs 2.07 lb., and the maund 82.28 lb. The standard is used in official reports.

Retail—For calculating retail prices, the unit of measure in India is to express them in terms of seers to the rupee. Thus, when prices change but vary less than the amount of money to be paid for the same quantity, but the quantity to be obtained for the same amount of money. In other words, prices in India are quantity prices, not money prices. When the figure of quantity goes up, this of course means that the price has gone down, which is at first slightly perplexing to an English reader. It may, however, be mentioned that quantity prices are not altogether unknown in England, especially at a stall shop, where you can buy many groceries each bought 1 lb., like 1 lb., are commonly sold at a varying number for the shilling. If it be desired to convert quantity prices from Indian into English denominations without having recourse to money prices (which would often be a laborious task), the following scale may be adopted—based upon the assumption that a seer is exactly 2 lb., and that the value of the rupee remains constant at 1s. 4d., 1 seer per rupee = (about) 3 lb. for 2s., 2 seers per rupee = (about) 6 lb. for 2s., and so on.

The name of the unit for square measurement in India generally is the *bigha*, which varies greatly in different parts of the country. But areas have been expressed in this work either in square miles or in acres.

Proposed Reforms—Indian weights and measures have never been settled upon an organised basis suitable for commerce and trade characteristic of the modern age. They vary from town to town and village to village in a way that could only work satisfactorily so long as the dealings of towns and villages were self contained and before roads and railways opened up trade between one and the other. It is pointed out that in England a hogsherd of wine contains 63 gallons and a hogsherd of beer only 54 gallons, that a bushel of corn weighs 16 lbs in Sunderland and 24 lbs in Cornwall, that the English stone weight represents 14 lbs in popular estimation, but only 5 lbs, if we are weighing glass, and eight for meat, but 6 lbs for cheese. Similar instances are multiplied in India by at least as many times as India is bigger than England. If we take, for instance, the maund denomination of weight common all over India, we shall find that in a given city there are nearly as many maunds as there are articles to weigh. If we consider the maund as between district and district the state of affairs is worse. Thus in the United Provinces alone, the maund of sugar weighs 48½ seers in

Cawnpore, 40 in Muttra, 7.4 in Gorakhpur, 40 in Agra, 50 in Moradabad, 4.4 in Saharanpur, 50 in Bareilly, 40 in Lyzabad, 48.4 in Sahajpaur, 51 in Gorhaugurze. The mound varies throughout all India from the Berkal or railway mound of 82 $\frac{2}{7}$ lbs to the Factory mound of 74 lbs, 10 or 11 dra, the Bombay mound of 28 lbs, which apparently answers to the Forest Department mound in use at the Fuel Depot, and the Madras mound which some authorities estimate at 25 lbs and others at 24 lbs and so on.

Committees of Inquiry — There are many typical instances which are multiplied indefinitely. There are variations of every detail of weights and measures in every part of India. The losses to trade arising from the confusion and the trouble which this state of things causes are heavy. Municipal and commercial bodies are continually returning to the problem with a view to devising a practical scheme of reform. The Supreme and Provincial Governments have made various attempts during 40 years past to solve the problem of uniform units of weights and measures and commerce and trade have agitated about the question for the past century. The Indian railway and Government departments adopted a standard tola (180 grains), seer (80 tolas) and maund (40 seers) and it was hoped that this would act as a successful "lead" which would gradually be followed by trade throughout the empire, but the expectation has not been realised.

The Government of India considered the whole question in consultation with the provincial Governments in 1890-1891 and various special steps have at different times been taken in different parts of India. The Government of Bombay appointed a committee in 1911 to make proposals for reform for the Bombay Presidency. Their final report has not been published, but they presented in 1912 an *ad interim* report which has been issued for public discussion. In brief, it points out the practical impossibility of proceeding by compulsory measures affecting the whole of India. The Committee stated that over the greater part of the Bombay Presidency a standard of weights and measures would be heartily welcome by the people. They thought that legislation compulsorily applied over large areas subject to many diverse conditions of trade and social life would not result in bringing about the desired reform so successfully as a "lead" supplied by local legislation based on practical experience. The want of coherence, *savoir faire*, or the means of cooperation among the people at large point to this conclusion. The Committee pointed out that a good example of the results that will follow a good lead is apparent in the De Khandesh District of the Presidency, where the District Officer, Mr Simcox, gradually during the course of three years, induced the people to adopt throughout the district uniform weights and measures, the unit of weight in this case being a tola of 180 grains. If the committee abstained from recommending that the same weights and measures should be adopted over the whole Presidency, preferring that a new system started in any area should be as nearly as possible similar to the best system already prevailing there.

The History of India in Outline.

No history of India can be proportionate and the briefest summary must suffer from the same defect. Even a wholesale acceptance as history of mythology, tradition, and folklore will not make good, though it makes picturesque, the many gaps that exist in the early history of India and, though the labours of modern geographers and archaeologists have been amazingly fruitful, it cannot be expected that these gaps will ever be filled to any appreciable extent. Approximate accuracy in chronology and an outline of dynastic facts are all that the student can look for up to the time of Alexander, though the briefest excursion into the by-ways of history will reveal to him many alluring and mysterious fields for speculation. There are, for example, to this day castes that believe they sprang originally from the loins of a being who landed "from an impossible boat on the shores of a highly improbable sea", and the great epic poems contain plentiful statements equally difficult of reconciliation with modern notions of history as a science. But from the Jataka stories and the Puranas, much valuable information is to be obtained, and, for the benefit of those unable to go to these and other original sources, it has been distilled by a number of writers.

The orthodox Hindu begins the political history of India more than 3,000 years before Christ, with the war waged on the banks of the Jumna between the sons of Kuru and the sons of Pandu. Recent excavations by the Archaeological Department in the Indus Valley at Harappa in the Punjab, but more particularly at Mohenjodaro in Sind, carry us back even further. They have uncovered sites of cities bearing the marks and containing the relics of a high civilisation stated by the Department to be Sumerian. The excavations are proceeding under special direction and have excited the greatest interest in scientific circles throughout the world, but the general critic omits several of those remote centuries and takes 600 B.C., or thereabouts as his starting point. At that time much of the country was covered with forest, but the Aryan races, who had entered India from the north, had established in parts a form of civilisation far superior to that of the aboriginal savages, and to this day there survive cities, like Benares, founded by those invaders. In like manner the Dravidian invaders from an unknown land, who overran the Deccan and the Southern part of the Peninsula, crushed the aborigines, and at a much later period, were themselves subdued by the Aryans. Of these two civilising forces, the Aryan is the better known, and of the Aryan kingdoms the first of which there is authentic record is that of Magadha, or Bihar, on the Ganges. It was in, or near, this powerful kingdom that Jainism and Buddhism had their origin, and the fifth King of Magadha, Bimbisara by name, was the friend and patron of Gautama Buddha. The King mentioned was a contemporary of Darius autocrat of Persia (521 to 485 B.C.) who annexed the Indus valley and formed from his conquest an Indian satrapy which paid as tribute the equivalent of about one million sterling. Dealt history, however, does not become possible until the invasion of Alexander in 326 B.C.

Alexander the Great

That great soldier had crossed the Hindu Kush in the previous year and had captured Aornos, on the Upper Indus. In the spring of 326 he crossed the river at Ohind, received the submission of the King of Taxila, and marched against Porus who ruled the fertile country between the rivers Hydaspes (Jhelum) and Akesines (Chenab). The Macedonian carried all before him, defeating Porus at the battle of the Hydaspes, and crossing the Chenab and Ravi. But at the River Hyphasis (Bias) his weary troops mutinied, and Alexander was forced to turn back and retire to the Jhelum where a fleet to sail down the rivers to the sea was nearly ready. The wonderful story of Alexander's march through Mekran and Persia to Babylon, and of the voyage of Nearchus up the Persian Gulf is the climax to the narrative of the invasion but is not part of the history of India. Alexander had stayed nineteen months in India and left behind him officers to carry on the Government of the kingdoms he had conquered, but his death at Babylon, in 323, destroyed the fruits of what has to be regarded as nothing but a brilliant raid and within two years his successors were obliged to leave the Indian provinces, heavily scarred by war but not hellenized.

The leader of the revolt against Alexander's generals was a young Hindu, Chandragupta, who was an illegitimate member of the Royal Family of Magadha. He dethroned the ruler of that kingdom, and became so powerful that he is said to have been able to place 600,000 troops in the field against Seleucus, to whom Babylon had passed on the death of Alexander. This was too formidable an opposition to be faced, and a treaty of peace was concluded between the Syrian and Indian monarchs which left the latter the first paramount Sovereign of India (321 B.C.) with his capital at Pataliputra, the modern Patna and Bankipore. Of Chandragupta's court and administration a very full account is preserved in the fragments that remain of the history compiled by Megasthenes, the ambassador sent to India by Seleucus. His memorable reign ended in 297 B.C. when he was succeeded by his son Bindusara, who in his turn was succeeded by Asoka (269—231 B.C.) who recorded the events of his reign in numerous inscriptions. This king, in an unusually bloody war, added to his dominions the kingdom of Kalinga (the Northern Circars) and then becoming a convert to Buddhism, resolved for the future to abstain from conquest by force of arms. The consequences of the conversion of Asoka were amazing. He was not intolerant of other religions, and did not endeavour to force his creed on his "children." But he initiated measures for the propagation of his doctrine with the result that "Buddhism" which had hitherto been a merely local sect in the valley of the Ganges, was transformed into one of the greatest religions of the world—the greatest, probably, it measured by the number of adherents. This is Asoka's claim to be remembered, this it is which makes his reign an epoch, not only in the history of India, but

With the end of the period of anarchy, the political history of India centres round the Rajputs. One clan founded the kingdom of Gujarat, another held Malwa, another (the Chauhans) founded a kingdom of which Ajmer was the capital, and so on. Kanauj fell into the hands of the Rathors (c. 1040 A.D.) and the dynasty then founded by that branch of the Gaharwars of Benares became one of the most famous in India. Later in the same century the Chauhans were united, and by 1163 one of them could boast that he had conquered all the country from the Vindhya to the Himalayas, including Delhi already a fortress a hundred years old. The son of this conqueror was Prithwi Raj, the champion of the Hindus against the Mahomedans. With his death in battle (1192) ends the golden age of the new civilization that had been evolved out of chaos, and of the greatness of that age there is a splendid memorial in the temples and forts of the Rajput states and in the two great philosophical systems of Sankaracharya (ninth century) and Ramanuja (twelfth century). The triumph of Hinduism had been achieved, it must be added, at the expense of Buddhism, which survived only in Magadha at the time of the Mahomedan conquest and speedily disappeared there before the new faith.

Mahomedan India

The wave of Mahomedan invaders that eventually swept over the country first touched India, in 622, less than a hundred years after the death of the Prophet in 632. But the first real contact was in the tenth century when a Turkish slave of a Persian ruler founded a kingdom at Ghazni, between Kabul and Kandahar. A descendant of his Mahmud (967-1030) made repeated raids into the heart of India, capturing places so far apart as Multan, Kanauj, Gwalior, and Somnath in Kathiawar, but permanently occupying only a part of the Punjab. Enduring Mahomedan rule was not established until the end of the twelfth century, by which time, from the little territory of Ghor, there had arisen one Mahomed Ghorî capable of carving out a kingdom stretching from Peshawar to the Bay of Bengal. Prithwi Raj, the Chauhan ruler of Delhi and Ajmer, made a brave stand against, and once defeated, one of the armies of this ruler, but was himself defeated in the following year. Mahomed Ghorî was murdered at Lahore (1206) and his vast kingdom, which had been governed by satraps, was split up into what were practically independent sovereignties. Of these satraps, Qutb-ud-din, the slave ruler of Delhi and Lahore, was the most famous, and is remembered by the great mosque he built near the modern Delhi. Between his rule and that of the Mughals, which began in 1526, only a few of the many Kings who governed and fought and built beautiful buildings, stand out with distinction. One of these was Ala-ud-din (1296-1316), whose many expeditions to the south much weakened the Hindu Kings, and who proved himself to be a capable administrator. Another was Firoz Shah, of the house of Tughlaq, whose administration was in many respects admirable, but which ended, on his abdication, in confusion. In the reign of his successor, Mahmud (1398-

1413), the kingdom of Delhi went to pieces and India was for seven months at the mercy of the Turkish conqueror Taimur. It was the end of the fifteenth century before the kingdom, under Sikandar Lodi, began to recover. His son, Ibrahim, still further extended the kingdom that had been recreated, but was defeated by Babar, King of Kabul, at Panipat, near Delhi, in 1526, and there was then established in India the Mughal dynasty.

The Mahomedan dynasties that had ruled in capital other than Delhi up to this date were of comparative unimportance, though some great men appeared among them. In Gujarat, for example, Ahmad Shah, the founder of Ahmedabad, showed himself a good ruler and builder as well as a good soldier, though his grandson, Mahmud Shah Begara, was a greater ruler—acquiring fame at sea as well as on land. In the South various kings of the Bahmani dynasty made names for themselves especially in the long wars they waged on the new Hindu kingdom that had arisen which had its capital at Vijayanagar. Of importance also was Adil Khan, a Turk, who founded (1490) the Bijapur dynasty of Adil Shahis. It was one of his successors who crushed the Vijayanagar dynasty, and built the great mosque for which Bijapur is famous.

The Mughal Empire

As one draws near to modern times it becomes impossible to present anything like a coherent and consecutive account of the growth of India as a whole. Detached threads in the story have to be picked up one by one and followed to their ending, and although the sixteenth century saw the first European settlements in India, it will be convenient here to continue the narrative of Mahomedan India almost to the end of the Mughal Empire. How Babar gained Delhi has already been told. His son, Humayun, greatly extended his kingdom, but was eventually defeated (1540) and driven into exile by Sher Khan, an Afghan of great capabilities, whose short reign ended in 1545. The Sur dynasty thus founded by Sher Khan lasted another ten years when Humayun having snatched Kabul from one of his brothers, was strong enough to win back part of his old kingdom. When Humayun died (1556) his eldest son, Akbar, was only 13 years old and was confronted by many rivals. Nor was Akbar well served, but his career of conquest was almost uninterrupted and by 1594 the whole of India North of the Nerbudda had bowed to his authority and he subsequently entered the Deccan and captured Ahmednagar. This great ruler, who was as remarkable for his religious tolerance as for his military prowess, died in 1605, leaving behind him a record that has been surpassed by few. His son, Jehangir, who married the Persian lady Nur Jahan, ruled until 1627, bequeathing to an admiring posterity some notable buildings—the tomb of his father at Sikandra, part of the palace of Agra, and the palace and fortress of Lahore. His son, Shahjahan, was for many years occupied with wars in the Deccan, but found time to make his court of incredible magnificence and to build the most famous and beautiful of all tombs, the Taj Mahal, as well as the fort, palace and Juma Masjid at Delhi. The quarrels of his sons led to the deposition of

Shahjahan by one of them, Aurangzeb, in 1658. This Emperor's rule was one of constant intrigue and fighting in every direction, the most important of his wars being a twenty-five years' struggle against the Marathas of the Deccan who, under the leadership of Shivaji, became a very powerful faction in Indian politics. His bigoted attitude towards Hinduism made Aurangzeb all the more anxious to establish his Empire on a firm basis in the south, but he was unable to hold his many conquests, and on his death (1707) the Empire, for which his three sons were fighting, could not be held together. Internal disorder and Maratha encroachments continued during the reigns of his successors, and in 1739 a fresh danger appeared in the person of Nadir Shah, the Persian conqueror, who carried all before him. On his withdrawal, leaving Mahomed Shah on the throne, the old intrigues recommenced and the Marathas began to make the most of the opportunity offered to them by puppet rulers at Delhi and by almost universal discord throughout what had been the Mughal Empire. There is little to add to the history of Mahomedan Indian Emperors continued to reign in name at Delhi up to the middle of the 19th century, but their territory and power had long since disappeared, being swallowed up either by the Marathas or by the British.

European Settlements

The voyage of Vasco da Gama to India in 1498 was what turned the thoughts of the Portuguese to the formation of a great Empire in the East. That idea was soon realized, for from 1500 onwards, constant expeditions were sent to India and the first two Viceroys in India—Almeida and Albuquerque—laid the foundations of a great Empire and of a great trade monopoly. Goa, taken in 1510, became the capital of Portuguese India and remains to this day in the hands of its captors, and the countless ruins of churches and forts on the shores of Western India, as also farther East at Malacca, testify to the zeal with which the Portuguese endeavoured to propagate their religion and to the care they took to defend their settlements. There were great soldiers and great missionaries among them—Albuquerque, da Cunha, da Castro in the former class, St. Francis Xavier in the latter. But the glory of Empire loses something of its lustre when it has to be paid for, and the constant drain of men and money from Portugal, necessitated by the attacks made on their possessions in India and Malaya, was found most intolerable. The junction of Portugal with Spain, which lasted from 1580 to 1640, also tended to the downfall of the Eastern Empire and when Portugal became independent again, it was unequal to the task of competing in the East with the Dutch and English. The Dutch had little difficulty in wresting the greater part of their territory from the Portuguese, but the seventeenth century naval wars with England forced them to relax their hold upon the coast of India, and during the French wars between 1795 and 1811 England took all Holland's Eastern possessions, and the Dutch have left in India but few traces of their civilisation and of the once powerful East India Company of the Netherlands.

The first English attempts to reach India date from 1498 when Cabot tried to find the North-West passage, and the attempts were repeated all through the sixteenth century. The first Englishman to land in India is said to have been one Thomas Stephens (1579) who was followed by a number of merchant adventurers, but trade between the two countries really dates from 1600 when Elizabeth incorporated the East India Company which had been formed in London. Factories in India were founded only after Portuguese and Dutch position had been overcome, notably in the sea fight off Swally (Suvali) in 1612. The first factory, at Surat was for many years the most important English foothold in the East. Its establishment was followed by others, including Fort St. George, Madras, (1610) and Hughli (1651). In the history of these early years of British enterprise in India the cession of Bombay (1661) as part of the dowry of Catherine of Braganza stands out as a landmark. It also illustrates the weakness of the Portuguese at that date, since in return the King of England undertook to protect the Portuguese in India against their foes—the Marathas and the Dutch. Cromwell, by his treaty of 1651, had already obtained from the Portuguese an acknowledgment of England's right to trade in the East, and that right was now threatened not by the Portuguese, but by Shivaji and by the general disorder prevalent in India. Accordingly in 1680, the Company turned its attention to acquiring territorial power, and announced its intention to establish such a policy of civil and military power, and create and secure such a large revenue as may be the foundation of a large, well grounded, sure English dominion in India for all time to come. Not much came of this announcement for some time, and no stand could be made in Bengal against the depredations of Aurangzeb. The foundations of Calcutta (1690) could not be laid by Job Charnock until after a humiliating peace had been concluded with that Emperor, and, owing to the difficulties in which the Company found itself in England, there was little chance of any immediate change for the better. The union of the old East India Company with the new one which had been formed in rivalry to it took place in 1708, and for some years peaceful development followed, though Bombay was always exposed by sea to attacks from the pirates, who had many strongholds within easy reach of that port, and on land to attacks from the Marathas. The latter danger was felt also in Calcutta. Internal dangers were numerous and still more to be feared. More than one mutiny took place among the troops sent out from England, and rebellions like that led by Kelgwin in Bombay threatened to stifle the infant settlements. The public health was bad and the rate of mortality was at times appalling. To cope with such conditions strong men were needed, and the Company was in this respect peculiarly fortunate, the long list of its servants, from Oxenden and Aungier to Hastings and Raffles, contains many names of men who proved themselves good rulers and far-sighted statesmen, the finest Empire-builders the world has known.

Attempts to compete with the English were made of course. But the schemes of the Emperor Charles VI to secure a share of the Indian trade were not much more successful than those made by Scotland, Denmark, Sweden, and Russia. By the French, who founded Pondicherry and Chandernagore towards the end of the 17th century, much more was achieved, as will be seen from the following outline of the development of British rule.

The French Wars

When war broke out between England and France in 1744, the French had acquired a strong position in Southern India, which had become independent of Delhi and was divided into three large States—Hyderabad, Tanjore, and Mysore—and a number of petty states under local chieftains. In the affairs of these States Dupleix, when Governor of Pondicherry, had intervened with success, and when Madras was captured by a French squadron, under La Bourdonnais (1746) Dupleix wished to hand it over to the Nawab of Arcot—a deputy of the Nizam's who ruled in the Carnatic. The French, however, kept Madras, repelling an attack by the disappointed Nawab as well as the British attempts to recapture it. The treaty of Aix-la-Chapelle restored Madras to the English. The fighting had shown the Indian powers the value of European troops, and this was again shown in the next French war (1750-54) when Clive achieved enduring fame by his capture and subsequent defence of Arcot. This war arose from Dupleix supporting candidates for the disputed successions at Arcot and Hyderabad while the English at Madras put forward their own nominees. One of Dupleix's officers, the Marquis de Bussy, persuaded the Nizam to take into his pay the army which had established his power, and in return the Northern Circars, between Orissa and Madras, was granted to the French. This territory, however, was captured by the English in the seven years' war (1756-63). Dupleix had by then been recalled to France. Lally, who had been sent to drive the English out of India, captured Fort St David and invested Madras. But the victory which Colonel (Sir Eyre) Coote won at Wandiwash (1760) and the surrender of Pondicherry and Gingee put an end to the French ambitions of Empire in Southern India. Pondicherry passed more than once from the one nation to the other before settling down to its present existence as a French colony in miniature.

Battle of Plassey

While the English were fighting the third French war in the South they became involved in grave difficulties in Bengal, where Siraj-ud-Daula had acceded to power. The headquarters of the English at Calcutta were threatened by that ruler who demanded they should surrender a refugee and should cease building fortifications. They refused and he marched against them with a large army. Some of the English took to their ships and made off down the river, the rest surrendered and were cast into the jail known as the "Black Hole." From this small and stifling room 23 persons, out of 146, came out alive the next day. Clive who was at Madras, immediately sailed for Calcutta with Admiral

Watson's squadron, recaptured the town (1757), and, as war with the French had been proclaimed, proceeded to take Chandernagore. The Nawab Siraj-ud-Daula then took the side of the French, and Clive, putting forward Mir Jafar as candidate for the Nawab's throne, marched out with an army consisting of 900 Europeans, 2,000 sepoy and 8 pieces of artillery against the Nawab's host of over 50,000. The result was the historic battle of Plassey (June 23) in which Clive, after hesitating on the course to be pursued, routed the Nawab. Mir Jafar was put on the throne at Murshidabad, and the price of this honour was put at £2,340,000 in addition to the grant to the Company of the land round Calcutta now known as the District of the twenty four Parganas. In the year after Plassey, Clive was appointed Governor of Bengal and in that capacity sent troops against the French in Madras and in person led a force against the Oudh army that was threatening Mir Jafar, in each case with success. From 1760 to 1765 Clive was in England. During his absence the Council at Calcutta deposed Mir Jafar and, for a price, put Mir Kasim in his place. This ruler moved his capital to Monghyr, organized an army, and began to intrigue with the Nawab Wazir of Oudh. He soon found, in a dispute over customs dues, an opportunity of quarrelling with the English and the first shots fired by his followers were the signal for a general rising in Bengal. About 200 Englishmen and a number of sepoys were massacred, but his trained regiment were defeated at Gheria and Oodeynullah, and Mir Kasim sought protection from the Nawab of Oudh. But in 1764, after quelling a sepoy mutiny in his own camp by blowing 24 ring-leaders from the guns, Major (Sir Hector) Munro defeated the joint forces of Shah Alam, the Mughal Emperor, and the Nawab of Oudh in the battle of Buxar. In 1765 Clive (now Baron Clive of Plassey) returned as Governor, "Two landmarks stand out in his policy. First, he sought the substance, although not the name, of territorial power, under the fiction of a grant from the Mughal Emperor. Second, he desired to purify the Company's service, by prohibiting illicit gains, and by guaranteeing a reasonable pay from honest sources. In neither respect were his plans carried out by his immediate successors. But our efforts towards a sound administration date from this second Governorship of Clive as our military supremacy dates from his victory at Plassey." Before Clive left India, in 1767, he had readjusted the divisions of Government in Bengal by which the English received the revenues and maintained the army while the criminal jurisdiction was vested in the Nawab. The performance of his second task, the purification of the Company's service, was hotly opposed but carried out. He died in 1774 by his own hand, the House of Commons having in the previous year censured him, though admitting that he did render "great and meritorious services to his country."

Warren Hastings

The dual system of government that Clive had set up proved a failure and Warren Hastings was appointed Governor, in 1772, to carry out the reforms settled by the Court of Directors.

daris, annexed the dominions of the rebellious Peshwa of Poona, protected the Rajput States, made Sindhya enter upon a new treaty, and compelled Holkar to give up part of his territory. Thus Lord Hastings established the British power more firmly than ever, and when he resigned, in 1823, all the Native States outside the Punjab had become parts of the political system and British interests were permanently secured from the Persian Gulf to Singapore. Lord Amherst followed Lord Hastings, and his five years' rule (1823-28) are memorable for the first Burmese war and the capture of Bharatpur. The former operation was undertaken owing to the insolent demands and raids of the Burmese, and resulted in the Burmese ceding Assam, Aracan, and the coast of Marlaban and their claims to the lower provinces. The capture of Bharatpur by Lord Combermere (1826) wiped out the repulse which General Lake had received there twenty years earlier. A disputed succession on this occasion led to the British intervention.

Social Reform

A former Governor of Madras, Lord William Bentinck, was the next Governor-General. His epitaph by Macaulay, says "He abolished cruel rites, he effaced humiliating distinctions, he gave liberty to the expression of public opinion, his constant study was to elevate the intellectual and moral character of the nations committed to his charge."

Some of his financial reforms, forced on him from England, and his widening of the gates by which educated Indians could enter the service of the Company, were most unpopular at the time, but were eclipsed by the acts he took for the abolition of *Sati*, or widow-burning, and the suppression—with the help of Captain Sleeman—of the professional hereditary assassins known as *Thugs*. In 1832 he annexed Cachar, and, two years later, Coorg. The incompetence of the ruler of Mysore forced him to take that State also under British administration—where it remained until 1881. His rule was marked in other ways by the despatch of the first steamship that made the passage from Bombay to Suez, and by his settlement of the long educational controversy in favour of the advocates of instruction in English and the vernaculars. Lord William Bentinck left India (1835) with his programme of reforms unfinished. The new Charter Act of 1833 had brought to a close the commercial business of the Company and emphasized their position as rulers of an Indian Empire in trust for the Crown. By it the whole administration, as well as the legislation of the country, was placed in the hands of the Governor-General in Council, and authority was given to create a Presidency of Agra. Before his retirement Bentinck assumed the statutory title of Governor-General of India (1834), thus marking the progress of consolidation since Warren Hastings in 1774 became the first Governor-General of Fort William. Sir Charles Metcalfe, being senior member of Council, succeeded Lord William Bentinck, and during his short tenure of office carried into execution his predecessor's measures for giving entire liberty to the press.

Afghan Wars

With the appointment of Lord Auckland as Governor-General (1836-42) there began a new era of war and conquest. Before leaving London he announced that he looked with exultation to the prospect of "promoting education and knowledge, and of extending the blessings of good Government and happiness to millions in India," but his administration was almost exclusively comprised in a fatal expedition to Afghanistan, which dragged in its train the annexation of Sind, the Sikh wars, and the inclusion of Baluchistan in the protectorate of India. The first Afghan war was undertaken partly to counter the Russian advance in Central Asia and partly to place on the throne at Kabul the dethroned ruler Shah Shuja in place of Dost Mahomed. The latter object was easily attained (1839) and for two years Afghanistan remained in the military occupation of the British. In 1841 Sir Alexander Burnes was assassinated in Kabul and Sir William Macnaghten suffered the same fate in an interview with the son of Dost Mahomed. The British Commander in Kabul, Gen. Elphinstone, was old and feeble, and after two months' delay he led his army of 4,500 and 12,000 camp followers back towards India in the depth of winter. Between Kabul and Jallalabad the whole force perished, either at the hands of the Afghans or from cold, and Dr. Brydon was the only survivor who reached the latter city. Lord Ellenborough succeeded Lord Auckland and was persuaded to send an army of retribution to relieve Jallalabad. One force under Gen. Pollock relieved Jallalabad and marched on Kabul, while Gen. Nott, advancing from Kandahar, captured Ghazni and joined Pollock at Kabul (1842). The bazaar at Kabul was blown up, the prisoners rescued, and the army returned to India leaving Dost Mahomed to take undisputed possession of his throne. The drama ended with a bombastic proclamation from Lord Ellenborough and the parade through the Punjab of the (spurious) gates of Somnath taken from the tomb of Mahmud of Ghazni.

Sikh Wars

Lord Ellenborough's other wars—the conquest of Sind by Sir Charles Napier and the suppression of an outbreak in Gwalior—were followed by his recall, and the appointment of Sir Henry (1st Lord) Hardinge to be Governor-General. A soldier Governor-General was not unacceptable, for it was felt that a trial of strength was imminent between the British and the remaining Hindu power in India, the Sikhs. Ranjit Singh, the founder of the Sikh Kingdom, had died in 1839, loyal to the end to the treaty he had made with Metcalfe thirty years earlier. He left no son capable of ruling, and the *Khalsa*, or central council of the Sikh army, was burning to measure its strength with the British sepoys. The intrigues of two men, Lal Singh and Tej Singh, to obtain the supreme power led to their crossing the Sutlej and invading British territory. Sir Hugh Gough, the Commander-in-Chief, and the Governor-General hurried to the frontier, and within three weeks four pitched battles were fought—at Mudki, Ferozeshah, Aliwal and Sobraon. The Sikhs were driven across the

non-combatants, and held out for 22 days, surrendering only on the guarantee of the Nana that they should have a safe conduct as far as Allahabad. They were embarking on the boats on the Ganges when fire was opened on them, the men being shot or hacked to pieces before the eyes of their wives and children and the women being mutilated and murdered in Cawnpore to which place they were taken back. Their bodies were thrown down a well just before Havelock, having defeated the Nana's forces, arrived to the relief. In Lucknow a small garrison held out in the Residency from July 2 to September 25 against tremendous odds and enduring the most fearful hardships. The relieving force, under Havelock and Outram, was itself invested, and the garrison was not finally delivered until Sir Colin Campbell arrived in November. Fighting continued for 18 months in Oudh, which Sir Colin Campbell finally reduced, and in Central India, where Sir Hugh Rose waged a brilliant campaign against the disinherited Rani of Jhansi—who died at the head of her troops—and Tantia Topi.

Transfer to the Crown

With the end of the mutiny there began a new era in India, strikingly marked at the outset by the Act for the Better Government of India (1858) which transferred the entire administration from the Company to the Crown. By that Act India was to be governed by, and in the name of, the Sovereign through a Secretary of State, assisted by a Council of fifteen members. At the same time the Governor-General received the title of Viceroy. The European troops of the Company, numbering about 24,000 officers and men were—greatly resenting the transfer—amalgamated with the Royal service, and the Indian Navy was abolished. On November 1, 1858, the Viceroy announced in Durbar at Allahabad that Queen Victoria had assumed the Government of India, and proclaimed a policy of justice and religious toleration. A principle already enunciated in the Charter Act of 1833 was reinforced, and all of every race or creed, were to be admitted as far as possible to those offices in the Queen's service for which they might be qualified. The aim of the Government was to be the benefit of all her subjects in India—"In their prosperity will be our strength, in their contentment our security, and in their gratitude our best reward." Peace was proclaimed in July 1859, and in the cold weather Lord Canning went on tour in the northern provinces, to receive the homage of loyal chiefs and to assure them that the "policy of lapse" was at an end. A number of other important reforms marked the closing years of Canning's Viceroyalty. The India Councils Act (1861) augmented the Governor General's Council, and the Councils of Madras and Bombay by adding non-official members, European and Indian, for legislative purposes only. By another Act of the same year, High Courts of Judicature were constituted. To deal with the increased debt of India Mr James Wilson was sent from England to be Financial Member of Council, and to him are due the customs system, income tax, license duty, and State paper currency. The care of office had broken down the Viceroy's health. His successor, Lord Elgin, lived only

a few months after his arrival in India, and was succeeded by Sir John (afterwards Lord) Lawrence, the "saviour of the Punjab."

Sir John Lawrence

The chief task that fell to Sir John Lawrence was that of reorganising the Indian military system, and of reconstructing the Indian army. The latter task was carried out on the principle that in the Bengal army the proportion of Europeans to Indians in the infantry and cavalry should be one to two, and in the Madras and Bombay armies one to three; the artillery was to be almost wholly European. The re-organisation was carried out in spite of financial difficulties and the saddling of Indian revenues with the cost of a war in Abyssinia with which India had no direct concern, but operations in Bhutan were all the drain made on the army in India while the re-organising process was being carried on. Two severe famines—in Orissa (1866) and Bundelkhand and Upper Hindustan (1868-9)—occurred, while Sir John Lawrence was Viceroy, and he laid down the principle for the first time in Indian history, that the officers of the Government would be held personally responsible for taking every possible means to avert death by starvation. He also created the Irrigation Department under Col (Sir Richard) Strachey. Two commercial crises of the time have to be noted. One seriously threatened the tea industry in Bengal. The other was the consequence of the wild gambling in shares of every description that took place in Bombay during the years of prosperity for the Indian cotton industry caused by the American Civil War. The "Share Mania," however, did no permanent harm to the trade of Bombay, but was, on the other hand, largely responsible for the series of splendid buildings begun in that city during the Governorship of Sir Bartle Frere. Sir John Lawrence retired in 1869, having passed through every grade of the service, from an Assistant Magistracy to the Viceroyalty. Lord Mayo, who succeeded him, created an Agricultural Department and introduced the system of Provincial Finance, thus fostering the impulse to local self-government. He also laid the foundation for the reform of the salt duties, thereby enabling his successors to abolish the inter-provincial customs lines. Unhappily his vast schemes for the development of the country by extending communications of every kind were not carried out to the full by him, for he was murdered in the convict settlement of the Andaman Islands, in 1872. Lord Northbrook (Viceroy 1872-6) had to exercise his abilities chiefly in the province of finance. A severe famine which threatened Lower Bengal in 1874 was successfully warded off by the organization of State relief and the importation of rice from Burma. The following year was notable for the deposition of the Gaikwar of Baroda for misgovernment, and for the tour through India of the Prince of Wales (the late King Edward VII). The visit of the Duke of Edinburgh to India when Lord Mayo was Viceroy had given great pleasure to those with whom he had come in touch, and had established a kind of personal link between India and the Crown. The Prince of Wales tour aroused unprecedented enthusiasm for and

loyalty to the British Raj, and further encouragement was given to the growth of this spirit when, in a durbar of great magnificence held on January 1st, 1877, on the famous Ridge at Delhi, Queen Victoria was proclaimed Empress of India. The Viceroy of that time, Lord Lytton, had, however, to deal with a situation of unusual difficulty. Two successive years of drought produced, in 1877-78, the worst famine India had known. The most strenuous exertions were made to mitigate its effects, and eight crores of rupees were spent in importing grain, but the loss of life was estimated at $5\frac{1}{2}$ millions. At this time also Afghan affairs once more became prominent.

Second Afghan War

The Amir, Sher Ali, was found to be intriguing with Russia and that fact, coupled with his repulse of a British mission led to the second Afghan War. The British forces advanced by three routes—the Khyber, the Kurram, and the Bolan—and gained all the important vantage points of Eastern Afghanistan. Sher Ali fled and a treaty was made with his son Yakub Khan, which was promptly broken by the murder of Sir Louis Cavagnari, who had been sent as English envoy to Kabul. Further operations were thus necessary, and Sir F. (now Lord) Roberts advanced on the capital and defeated the Afghans at Charasia. A rising of the tribes followed, in spite of Sir D. Stewart's victory at Ahmed Kheyl and his advance from Kabul to Kandahar. A pretender, Sirdar Ayub Khan, from Herat prevented the establishment of peace, defeated Gen. Burrows' brigade at Maiwand, and invested Kandahar. He was routed in turn by Sir F. Roberts who made a brilliant march from Kabul to Kandahar. After the British withdrawal fighting continued between Ayub Khan and Abdur Rahman, but the latter was left undisputed Amir of Afghanistan until his death in 1901.

In the meantime Lord Lytton had resigned (1880) and Lord Ripon was appointed Viceroy by the new Liberal Government. Lord Ripon's administration is memorable for the freedom given to the Press by the repeal of the Vernacular Press Act, for his scheme of local self-government which developed municipal institutions, and for the attempt to extend the jurisdiction of the criminal courts in the Districts over European British subjects, independently of the race or nationality of the presiding judge. This attempt, which created a feeling among Europeans in India of great hostility to the Viceroy, ended in a compromise in 1884. Other reforms were the re-establishment of the Department of Revenue and Agriculture, the appointment of an Education Commission with a view to the spread of popular instruction on a broader basis, and the abolition by the Finance Minister (Sir Evelyn Baring, now Lord Cromer) of a number of customs duties. Lord Dufferin, who succeeded Lord Ripon in 1884, had to give his attention more to external than internal affairs. One of his first acts was to hold a durbar at Rawalpindi for the reception of the Amir of Afghanistan which resulted in the strengthening of British relations with that ruler. In 1885 a third

Burmese war became necessary owing to truculent attitude of King Shihaw and his intrigues with foreign Powers. The expedition, under General Prendergast, occupied Mandalay without difficulty and King Shihaw was exiled to Rangoon, where he died on 16th December 1916. His dominions of Upper Burma were annexed to British India on the 1st of January, 1886.

The Russian Menace

Of greater importance at the time were the measures taken to meet a possible, and as it then appeared a probable, attack on India by Russia. These preparations, which cost over two million sterling, were hurried on because of a collision which occurred between Russian and Afghan troops at Penjdeh, during the delimitation of the Afghan frontier towards Central Asia, and which seemed likely to lead to a declaration of war by Great Britain. War was averted, but the Penjdeh incident had called attention to a menace that was to be felt for nearly a generation more, it had also served to elicit from the Princes of India an unanimous offer of troops and money in case of need. That offer bore fruit under the next Viceroy, Lord Lansdowne, when the present system of Imperial Service Troops was organised. Under Lord Lansdowne's rule also the defences of the North-Western Frontier were strengthened, on the advice of Sir Frederick (now Lord) Roberts, who was then Commander in Chief in India. Another form of precautionary measure against the continued aggression of Russia was taken by raising the annual subsidy paid by the Indian Government to the Amir from eight to twelve lakhs.

On the North-Eastern Frontier there occurred (1891) in the small State of Manipur a revolution against the Raja that necessitated an inquiry on the spot by Mr. Quinton, the Chief Commissioner of Assam. Mr. Quinton, the commander of his escort, and others, were treacherously murdered in a conference and the escort ignominiously retreated. This disgrace to British arms led to several attacks on frontier outposts which were brilliantly defeated. Manipur was occupied by British troops and the government of the State was reorganised under a Political Agent. Lord Lansdowne's term of office was distinguished by several other events such as the passing of the Parliamentary Act (Lord Cross's Act, 1892), which increased the size of the Legislative Councils as well as the number of non-officials in them; legislation aimed at social and domestic reform among the Hindus; and the closing of the Indian Mints to the free coinage of silver (1893).

Frontier Campaigns

Lord Elgin, who succeeded Lord Lansdowne in 1894, was confronted at the outset with a deficit of Rs. 2½ crores, due to the fall in exchange. (In 1895 the rupee fell as low as 1s. 12d.) To meet this the old five per cent import duties were reimposed on a number of commodities, but not on cotton goods; and within the year the duty was extended to piece goods, but not to yarn. The reorganisation of the Army, which involved the abolition of the old system of Presidency Armies, had hardly been carried out when a number of risings

occurred along the North-West Frontier. In 1895 the British Agent in Chitral—which had come under British influence two years previously when Sir H. M. Durand had demarcated the southern and eastern boundaries of Afghanistan—was besieged and had to be rescued by an expeditionary force. Two years after the Wazirs, Swatis, and Mohmands attacked the British positions in Malakand, and the Afridis closed the Khyber Pass. Peace was only established after a prolonged campaign (the Tirah campaign) in which 40,000 troops were employed, and over 1,000 officers and men had been lost. This was in itself a heavy burden on the finances of India, which was increased by the serious and widespread famine of 1896-97 and by the appearance in India of bubonic plague. The methods taken to prevent the spread of that disease led, in Bombay, to rioting, and elsewhere to the appearance in the vernacular press of seditious articles which made it necessary to make more stringent the law dealing with such writings.

Lord Curzon's Viceroyalty

With famine and plague Lord Curzon also, who succeeded Lord Elgin in 1899, had to deal in 1901 the cycle of bad harvests came to an end, but plague increased, and in 1904 deaths from it were returned at over one million. Of the many problems to which Lord Curzon directed his attention, only a few can be mentioned here. Some indeed claim that his greatest work in India was not to be found in any one department but was in fact the general gearing up of the administration which he achieved by his unceasing energy and personal example of strenuous work. He had at once to turn his attention to the North-West Frontier. The British garrisons beyond our boundary were gradually withdrawn and replaced by tribal levies, and British forces were concentrated in British territory behind them as a support. An attempt was made to check the arms traffic and work on strategic railways was pushed forward. The fact that in seven years he only spent a quarter of a million upon repressive measures and only found it necessary to institute one blockade (against the Mahsud Waziris) is the justification of this policy of compromise between the Lawrence and Forward schools of thought. In 1901 the trans-Indus districts of the Punjab were separated from that Province, and together with the political charges of the Malakand, the Khyber, Kurram, Tochi, and Wana were formed into the new North-West Frontier Province, under a Chief Commissioner directly responsible to the Government of India. That year also witnessed the death of Abdur Rahman, the Amir of Afghanistan, and the establishment of an understanding with his successor Habibullah. In 1904 the attitude of the Dalai Lama of Tibet being pro-Russian and anti-British, it became necessary to send an expedition to Lhasa under Colonel (Sir Francis) Younghusband. The Dalai Lama abdicated and a treaty was concluded with his successor.

In his first year of office Lord Curzon passed the Act which, in accordance with the recommendations of the Fowler Commission, practically fixed the value of the rupee at 1s. 4d., and in 1900 a Gold Reserve fund was created. The educational reforms that marked this

Viceroyalty are dealt with elsewhere. Chief among them was the Act of 1904 reorganising the governing bodies of Indian Universities. Under the head of agrarian reform must be mentioned the Punjab Land Alienation Act, designed to free the cultivators of the soil from the clutches of money-lenders, and the institution of Agricultural banks. The efficiency of the Army was increased (Lord Kitchener was Commander-in-Chief) by the rearmament of the Indian Army, the strengthening of the artillery, and the reorganisation of the transport service. In his relations with the Feudatory Chieftains, Lord Curzon emphasized their position as partners in administration, and he founded the Imperial Cadet Corps to give a military education to the sons of ruling and aristocratic families. In 1902 the British Government obtained from the Nizam a perpetual lease of the Assigned Districts of Berar in return for an annual payment of 25 lakhs. The accession of King Edward VII was proclaimed in a splendid Durbar on January 1, 1903. In 1904 Lord Curzon returned to England for a few months but was re-appointed to a second term of office, Lord Amthill, Governor of Madras, having acted as Viceroy during his absence. The chief act of this second term was the partition of Bengal and the creation of a new Province of Eastern Bengal and Assam—a reform, designed to remove the systematic neglect of the trans-Gangetic areas of Bengal, which evoked bitter and prolonged criticism. In 1905 Lord Curzon resigned, being unable to accept the proposals of Lord Kitchener for the re-adjustment of relations between the Army headquarters and the Military Department of the Government, and being unable to obtain the support of the Home Government. Lord Curzon was succeeded by Lord Minto, the grandson of a former Governor-General. It was a stormy heritage to which Lord Minto succeeded, for the unrest which had long been noticed developed in one direction into open sedition.

Outside Bengal attempts to quell the disaffection by the ordinary law were fairly successful. But scarcely any province was free from disorder of some kind, and, though recourse was had to the deportation of persons without reason assigned under an Act of 1818, special Acts had to be passed to meet the situation, viz.—an Explosives Act, a Prevention of Seditious Meetings Act, and a Criminal Law Amendment Act which provides for a magisterial inquiry in private and a trial before three judges of the High Court without a jury. Concurrently with these legislative measures steps were taken to extend representative institutions. In 1907 a Hindu and a Mahomedan were appointed to the Secretary of State's Council, and in 1909 a Hindu was appointed for the first time to the Viceroy's Council. The Indian Councils Act of 1909 carried this policy farther by reconstituting the legislative councils and conferring upon them wider powers of discussion. The executive councils of Madras and Bombay were enlarged by the addition of an Indian member.

As regards foreign policy, Lord Minto's Viceroyalty was distinguished by the conclusion (1907) between Great Britain and Russia of an agreement on questions likely to disturb the friendly relations of the two countries in

down Mr G R Das, one of Mr Gandhi's chief lieutenants, decided to associate with the Legislature—ostensibly to destroy the reforms, but actually because he and many others had grown tired of a policy of mere negation. The downfall of non co-operation was further signalled by the election of a great Swarajist, Mr V J Patel, to be President of the Legislative Assembly—an office which he held until the summer of 1930.

When Lord Irwin succeeded Lord Reading in 1926, the prospects of peace improved. It was ordained by Statute that a Commission should examine the Indian Reforms within ten years of the inception of the Government of India Act. In 1927 both the British Government and the Government of India agreed that the Commission should be appointed as early as possible. Accordingly, in the autumn, it was announced that Sir John Simon and other members of Parliament should be members of a new **Statutory Commission**. Their appointment was the occasion of a new outburst. Neither Mr Gandhi's followers nor the moderates would support the Commission. It was to be boycotted from the start. The chief complaint was that all the members of the Commission were Europeans. The Congress party, and even the moderates, demanded in its place a Round Table Conference and the promise, if not the immediate offer, of Dominion Status. The boycott, however, was not very effective. One by one the Provincial Councils decided to co-operate with the Simon Commission, the Legislative Assembly, almost alone among the Legislatures, stood consistently for boycott. Yet it is significant that before the Simon Commission had published its report, the Viceroy not only announced that the goal of Government in India was Dominion Status, but invited representatives of India to a Round Table Conference in London. He stood where the moderates and half the Congress had stood two years before. Meanwhile, Congress became still more extremist. In January 1929, Mr Gandhi announced that if India was not given Dominion Status within a year, he would lead the campaign for Independence. He kept his word, and the Lahore Congress of December 1929, under the guidance of Pandit Jawaharlal Nehru rather than Mr Gandhi, voted in favour of Independence.

The new struggle began in earnest in March 1930. Mr Gandhi first decided to break the Salt Laws. He made an imposing march from Ahmedabad to the coast, where he ceremoniously manufactured salt that could not be taxed. Non co operation was in full swing. For a short time Bombay was virtually a Congress City. There were numerous arrests, and before the year closed, there were to be in India no less than fifty thousand people incarcerated for political offences.

The Government of Lord Irwin was assailed on all sides. Some condemned it because it was weak. Others condemned it because it was repressive. Its conduct had a curious reaction upon political opinion in England, which possessed the dubious advantage of a minority Government. At one time the Conservatives were demanding the recall of Lord Irwin. Similarly, Provincial Governors were criticised for alleged inactivity. In the summer few predicted any success for the Round Table Conference. The Simon Commission published a Report that was condemned by practically

every party in India. It was practically a still born Report. Events had moved too rapidly. The Round Table Conference, however, proved to be the culminating point of a world wide interest in the Indian political struggle. The Princes, at first, assumed the lead. They stood for a Federal Government in which the States and British India should be partners. At once the extremists, who had intended to ignore the Conference, showed the keenest concern. The Conference, despite all evil prognostications, represented the voice of India.

In February 1931 the Round Table Conference delegates returned to India on the understanding that there was to be a second Round Table Conference in London, but that meanwhile certain problems, such as that of separate communal electorates, were to be worked out among themselves in India. The first thing they did on their return was to attempt to persuade Congress to call off the Civil Disobedience Movement and participate in the Conference. Congress, however, were in bitter mood, many local committees even did their best to prevent the decennial census in February from being an accurate index to the state of the population. There were a number of feverish conferences between Lord Irwin, Mr Gandhi, and Sir Tej Bahadur Sapru. Mr Gandhi and other prominent Congress leaders were released from prison specially to confer with Government officials and the conferences were conducted in a friendly and informal fashion. The upshot was the signing of the Irwin-Gandhi Pact at Delhi in March which provided on the one hand for Congress to call off the civil disobedience movement, the no tax campaign, the boycott of British goods, and other cognate activities, and on the other hand for Government to extend an amnesty to political prisoners, to permit the manufacture of salt on the coast, and make a number of similar concessions.

When in April Lord Willingdon arrived in India to take up his duties as Viceroy and Governor-General, Lord Irwin left the country amid many tributes to his statesmanship. Lord Willingdon's first few months were spent in preparing the way for the second Round Table Conference, the opening of which was fixed for November. At first Congress refused to participate, alleging that Government had broken the Irwin-Gandhi agreement, but after much wavering Mr Gandhi set sail for England at the end of August. The Conference almost broken down over the communal problem. Mr Gandhi was frankly dissatisfied and landed in India on December 28 hinting at a renewal of the civil disobedience campaign. Early in January 1932 the struggle began again. Mr Gandhi and the Congress leaders were imprisoned.

The Viceroy soon made it clear that there could be no compromise with those who were determined to persist in a fresh campaign of civil disobedience and proclaimed his determination to use to the full the resources of the State in fighting and defeating a movement which would otherwise remain a perpetual menace to orderly Government and individual liberty. His Excellency's policy quickly met with success. The arrest of the principal leaders of the campaign was followed up with the imprisonment after trial of over 30,000 followers of the Congress. The special Ordinances devised to deal with the menace were renewed for another six months,

being replaced at the end of the year by more permanent legislation which the Legislative Assembly and the Council of State endorsed the former by a surprisingly good majority. All the Provincial Councils passed complementary legislation embodying Ordinance regulations to suit local conditions. Thus by the end of the year the Ordinances had ceased to exist, their place being taken by legislation for a limited period. Nothing showed the rally of the country against civil disobedience better than these measures.

The economic position of the country continued to be abnormal throughout the year and Government refused to contemplate any relaxation of that stern policy of rigorous economy in public expenditure outlined in 1931. The success of that policy was reflected in the budget of 1933-34, though public opinion in the country was disappointed with the absence of any relief from taxation, particularly in view of the partial restoration of the cut in the salaries of the Services. An outstanding feature of the year was the rapid improvement in India's credit notwithstanding the economic stress. Government floated three loans, one in sterling and two in rupees, of the total amount of Rs. 58 crores. The last of these was oversubscribed in about four hours though it gave a return of only 5½ per cent. Government also succeeded in substantially reducing their floating debt.

An event of great importance during the year was the tariff agreement between India and Great Britain at the **Ottawa Conference**. In the entirely new circumstances created by the departure of the British Government from the old policy of universal free trade and by the substitution for it of a tariff coupled with the grant of preference to countries the Government of India were invited to send a delegation to the Imperial Conference primarily to consider and discuss with representatives of Great Britain the question whether it would be in the interests of both countries to enter into a tariff agreement involving the reciprocal grant of preferences to each other's products. In the negotiations and discussions which took place first in London and subsequently at Ottawa the Indian delegation to the Conference headed by Sir Atul Chatterjee were given the freest possible hand and the agreement which they concluded embodied only such measures as were in the best interests of India. After prolonged discussion it was endorsed by the Central Legislature.

Discussions relating to the future constitution of India were in progress throughout the year. The publication of the communal award made by His Majesty's Government marked a new stage in their progress. This award in so far as it affected the Depressed Classes in the Hindu community was modified as a result of Mr. Gandhi's fast at the Yeravda prison. He undertook this fast after due warning to Government and threatened to die of starvation if the plan to create special constituencies for the depressed classes was not given up. Hindu leaders in their anxiety to save Mr. Gandhi agreed upon an alternative scheme of reserved seats for the Depressed Classes in the general constituencies. This agreement was subsequently endorsed by His Majesty's Government. In November the third Round Table Conference met in London, the session lasting till the end of the year.

The year 1933 saw the publication of the White Paper embodying the proposals of His Majesty's Government for constitutional advance in India (See Round Table Conference Chapter). It seemed to thrust India into the forefront of British politics. At no other period perhaps in recent times has India figured so largely in Britain, which was flooded by daily propaganda against "the danger of foreign democracy down the throats of the dumb million of India."

With the complete stultification of the Congress following the collapse of civil disobedience, and the shifting of interest to London where the Joint Parliamentary Committee was in session examining the White Paper, political activity in the country was at a standstill. To make up for this there was a great upheaval in the social sphere. The plight of the depressed classes (called Harijans by Mr. Gandhi) attracted much attention, thanks to the aggressive measures adopted by Mr. Gandhi, his two fasts, release from jail and whirlwind tour of the country. Although there was much orthodox opposition to the admission of untouchables into cast temples and other demonstrational aspects of the uplift movement, the upper classes' conscience was roused to activity and directed towards the amelioration of the general condition of the untouchables.

India's increasing status among the nations of the world was exemplified by the privilege accorded to her of negotiating direct with Foreign Power (Japan) for a commercial treaty. To meet the stifling competition from Japan India decided to cancel the most-favoured-nation treatment to Japan, whereupon the latter retaliated by placing a boycott on Indian cotton. The tug-of-war ended as the result of a series of conversations at Simla and Delhi between representatives of the Indian and Japanese Governments. Equally important was the visit paid by a delegation from Lancashire, which also was productive of an agreement with Bombay millowners for the regulation of trade and avoidance of cut-throat competition—a agreement which was later ratified by the Indian legislature.

For the first time in history, Mount Everest was conquered from the air. An aeroplane expedition financed by Lady Houston achieved this marvel which, apart from its spectacular nature, is believed to be of great scientific value. A climbing expedition which followed, however, had to abandon the attempt owing to unknown weather.

India lost this year two outstanding personalities, H. H. the Jam Sahib (the famous 'Ranjit' of the cricket world) and Mrs. Annie Besant who was held in great esteem by all India for her services in the cause of the country's constitutional advance.

The Frontier tribes again gave trouble. The Bajauris chose to harbour a "pretender" to the Afghan throne and, as a friendly neighbourly state, India had to curb such hostile activities on the border. The operations lasted a few months but the issue was never in doubt. Air operations settled the trouble and, incidentally, served to demonstrate how the British Empire could not altogether give up air bombing.

The Government of India.

The impulse which drove the British to India was not conquest but trade. The Government of India represents the slow evolution from conditions established to meet trading requirements. On September 24, 1599, a few years before the deaths of Queen Elizabeth and Akbar, the merchants of London formed an association for the purpose of establishing direct trade with the East and were granted a charter of incorporation. The Government of this Company in England was vested in a Governor with a General Court of Proprietors and a Court of Directors. The factories and affairs of the Company on the East and West Coasts of India, and in Bengal, were administered at each of the principal settlements of Madras (Fort St George), Bombay and Calcutta (Fort William), by a President or Governor and a Council consisting of the senior servants of the Company. The three "Presidencies" were independent of each other and subordinate only to the Directors in England.

Territorial Responsibility Assumed

The collapse of government in India consequent on the decay of Moghul power and the intrigues of the French on the East Coast forced the officers of the Company to assume territorial responsibility in spite of their own desires and the insistent orders of the Directors. Step by step the Company became first the dominant, then the paramount power in India. In these changed circumstances the system of government by mutually independent and unwieldy councils of the merchants at the Presidency towns gave rise to grave abuses. Parliament intervened, and under the Regulating Act of 1773, a Governor General and four councillors were appointed to administer the Presidency of Fort William (Bengal), and the supremacy of that Presidency over Madras and Bombay was for the first time established. The subordinate Presidencies were forbidden to wage war or make treaties without the previous consent of the Governor-General of Bengal in Council, except in cases of imminent necessity. Pitt's Act of 1784, which established the Board of Control in England, vested the administration of each of the three Presidencies in a Governor and three councillors, including the Commander-in-Chief of the Presidency Army. The control of the Governor-General in Council was somewhat extended, as it was again by the Charter Act of 1793. Under the Charter Act of 1833 the Company was compelled to close its commercial business

and it became a political and administrative body holding its territories in trust for the Crown. The same Act vested the direction of the entire civil and military administration and sole power of legislation in the Governor-General-in-Council, and defined more clearly the nature and extent of the control to be extended over the subordinate governments. After the Mutiny, there was passed, in 1858, an Act transferring the Government of India from the Company to the Crown. This Act made no important change in the administration in India, but the Governor-General, as representing the Crown, became known as the Viceroy. The Governor-General is the sole representative of the Crown in India; he is assisted by a Council composed of high officials, each of whom is responsible for a special department of the administration.

Functions of Government.

The functions of the Government in India are perhaps the most extensive of any great administration in the world. It claims a share in the produce of the land and in the Punjab and Bombay. It has restricted the alienation of land from agriculturists to non-agriculturists. It undertakes the management of landed estates where the proprietor is disqualified. In times of famine it undertakes relief work and other remedial measures on a great scale. It manages a vast forest property and is the principal manufacturer of salt and opium. It owns the bulk of the railways of the country, and directly manages a considerable portion of them. It has constructed and maintains most of the important irrigation works, it owns and manages the post and telegraph systems. It has the monopoly of the Note issue, and it alone can set the mints in motion. It lends money to municipalities, rural boards, and agriculturists and occasionally to owners of historic estates. It controls the sale of liquor and intoxicating drugs and has direct responsibilities in respect to police, education, medical and sanitary operations and ordinary public works of the most intimate character. The Government has also close relations with the Indian States which collectively cover more than one third of the whole area of India and comprise more than one-fifth of its population. The distribution of these great functions between the Government of India and the provincial administrations has fluctuated and was definitely regulated by the Reform Act of 1919.

THE REFORMS OF 1919.

Great changes were made in the system of government in British India by the Government of India Act, 1919, which, together with the rules framed under it—almost as important in their provisions as the Act itself—came into

general operation in January 1921. The Act was the outcome of an inquiry conducted in India in the winter of 1917-18 by the Secretary of State (Mr. Montagu) and the Viceroy (Lord Chelmsford), the results of which were

The Government of India

embodied in their Report on Indian Constitutional Reform issued in the spring of 1918. The recommendations in this report were supplemented by those of two Committees which toured in India in the winter of 1918-19, and A third Committee was appointed during the latter year to make recommendations for the modification of the system of administration of Indian affairs in the United Kingdom, and issued their Report while the Government of India Bill was under examination by a Joint Select Committee of both Houses of Parliament. The Joint Select Committee in their turn issued an exhaustive Report on the Bill, which was passed in a form practically identical with that recommended by the Joint Committee, and received the Royal Assent on the 23rd December 1919.

The Divisions—British India for administrative purposes is divided into 15 provinces, each with its separate Local Government or administration. In nine of the provinces—the three Presidencies of Madras, Bombay and Bengal, the United Provinces, Agra and Oudh, the Punjab, Bihar and Assam—the Central Government consists of a Governor, an Executive Council of not more than four members, and two or more Ministers. In 1922 Burma, which was excluded from the original scheme, was brought into line with the An Act of Parliament was passed, constituting Burma a Governor's Province, with a Governor, an Executive Council and Ministers and a Legislative Council elected on a very democratic franchise, which gave the vote to women. The remaining six provinces are directly administered by Chief Commissioners, who are technically mere agents of the Central Government of India. No change has been made by the Act of 1919 in the system of administration in these six minor provinces.

Dyarchy—In these nine provinces the executive Government is a dual organism which owes its unity to the Governor. One hand of the organism consists of the Governor and his executive Council, all of whom are appointed by the King. This body is responsible for the administration of those subjects which are "reserved." The other half of the executive organism is the Governor acting with the aid of Ministers who are appointed by him, to hold office during his pleasure, and must be elected members of the Provincial Legislative Council. To the Governor acting with Ministers is entrusted the administration of "transferred" subjects.

The Object—The framers of the Act of 1919 had a twofold object in view. Their primary object was to devise a plan which would render possible the introduction by successive stages of a system of responsible government in British India in modification of the previous system under which the Government in India both central and provincial, received their mandates from the British Parliament acting through the Secretary of State for India, the Cabinet Minister responsible to Parliament for the administration of Indian affairs.

The Provinces—Starting from the premise that it was in the provinces that the first substantial steps must be taken towards the development of a system of responsible government, the framers of the Act of 1919 provided for a statutory demarcation of the functions to be exercised by the Government of India and the Provincial Governments respectively in their administrative capacity. No attempt was made in this connection to limit the field open to the Indian Legislature, which still retains a concurrent (though not an overriding) power of legislation for the affairs of the provinces in general and of individual provinces, but the rules under the Act provide specifically for the exercise of this right in certain specified provincial matters, and the theory upon which the Act proceeds assumes that a convention will be established and rigorously observed by which will confine intervention by the Indian Legislature in provincial affairs to matters so specified.

Finance—The 'revenues of India'—or, rather, their sources—are definitely divided between the Central and Provincial Governments, the Provincial Governments now almost complete control over the administration of their "allocated" revenues, they have power to supplement them by raising loans on the security of these revenues, and their right, subject in certain cases to the Governor-General's sanction, to initiate new taxation measures is formally recognised.

It was found impossible to devise any scheme of allocation of revenues between the Central and Provincial Governments which did not leave the former with a deficit. This deficit is to be met in part by an annual contribution from seven of the eight Governors' provinces, the province of Bihar and Orissa, owing to the comparative exiguousness and inelasticity of its own revenues, having been exempted from this contribution. The aggregate sum thus due from the provinces to the Government of India at the outset is Rs. 983 lakhs, of which Madras contributes Rs. 348 lakhs, the United Provinces Rs. 240 lakhs, the Punjab Rs. 175 lakhs, and the other four provinces sums ranging from Rs. 15 lakhs to Rs. 64 lakhs. The annual contribution is in no case to be subject to increase in the future, and if reduction of the aggregate is found possible by the Government of India reductions are to be made in fixed proportions from the quota of the several provinces.

Responsibility—The first steps towards responsibility were to transform the Provincial Legislative Council into a body of sufficient size and with a sufficiently large elected majority (which the Act fixes at 70 per cent as a minimum) to represent adequately public opinion in the province, and to create an electorate. The first franchise rules have given the vote to about 5,000,000 of the adult male population, and have enabled the Legislative Council of any "Governor's province" to elect the franchise to women.

The following table shows the strength and composition of each of the Provincial Councils —

Province.	Elected	Nominated and <i>ex-officio</i>		Total.
		Officials	Non-officials	
Madras	98	23	6	127
Bombay	86	20	5	111
Bengal	113	20	6	139
United Provinces	100	18	5	123
Punjab	71	16	6	93
Bihar and Orissa	76	18	9	103
Central Provinces	53	10	5	68
Assam	39	9	5	53
Burma	78	13	8	101

The figures for officials in this table are maxima in every case, and where less than the maximum number of officials is nominated to any Council the number of nominated non-officials must be increased in proportion, *e.g.*, if there are only 10 officials (nominated and *ex-officio*) on the United Provinces Council, there must be seven nominated non-officials. The official members who have seats *ex-officio* are the members of the Executive Council, who are at present four in number, the statutory maximum in Madras, Bombay, and Bengal, three in Bihar and Orissa, and two in each of the remaining provinces. These Executive Councils contain an equal

number of Indian and British members except in Bihar and Orissa where two of the three members are British officials.

Electorates—The electorates in each province are arranged for the most part on a basis which is designed to give separate representation to the various races, communities, and special interests into which the diverse elements of the Indian population naturally range themselves. Although there are minor variations from province to province, a table showing their character in one province (Bengal) will give a sufficiently clear idea of the general position.

Class of Electorate	No of Electorates of this Class	No of Members returnable by Electorates of this Class
Non-Muhammadan	42	46
Muhammadan	34	39
European	3	3
Anglo Indian (in the technical sense of persons of mixed European and Asiatic descent)	1	2
Landholders	5	6
University	1	1
Commerce and Industry	8	15
Total	94	113

Of the 94 constituencies in Bengal, all but nine (those representing the University and Commerce and Industry) are arranged on a territorial basis, *i.e.*, each constituency consists of a group of electors, having the prescribed qualifications which entitle them to a vote in a constituency of that class, who inhabit a particular area. The normal area for a "Muhammadan" or "non-Muhammadan" constituency is a district (or where districts are large and populous, half a district) in the case of rural constituencies, and, in the case of urban constituencies a group of adjacent municipal towns. Some large towns form urban constituencies by themselves, and the City of Calcutta provides eight separate constituencies, six "non-Muhammadan" and two "Muhammadan" the latter, of course, being coterminous with the former.

Throughout the electoral rules there runs a general classification of the various kinds of constituencies into two broad categories, those which are designed to represent special interests such as Landholders, Universities, Plan-

ters or Commerce being described as "special" constituencies, and those which are based on a racial distinction—Muhammadan, European, Sikh, etc.—being known as "general" constituencies.

Voters' Qualifications—The qualifications for electors (and consequently for candidates) vary in detail from province to province, chiefly on account of variations in the laws and regulations which form the basis of assessment of income or property values. Generally speaking, both in rural and urban areas the franchise is based on a property qualification as measured by the payment of a prescribed minimum of land revenue or of its equivalent, or of income tax, or of municipal taxes, but in all provinces retired, pensioned or discharged officers and men of the regular army are entitled to the vote, irrespective of the amount of their income or property.

Election Results—A Parliamentary Paper (Cmd 39221), published in 1931, gives the following summary of election results. This return

relates to the fourth General Election under the Act of 1919. In two cases, however, those of the Council of State and the Burma Legislative Council, it relates to the third election under that Act, held in the case of the Council of State in 1930 and in the case of the Burma Council in 1928. These divergences are due to the statutory duration of the Council of State being five instead of three years, and to the fact that the Reforms were introduced in Burma two years later than in other Provinces.

In the ordinary course of events the fourth general election would have been held in 1940 in two Provinces, Bengal and Assam, the elections to the Provincial Legislature were in fact held in that year, since in those provinces the local political situation had led to dissolutions in that year. But in the case of the Legislative Assembly and of the remainder of the Provincial Councils the statutory three

year period was extended under the provisions conferred by the Government of India Act in order to postpone the general election until after the publication of the Report of the Indian Statutory Commission, which was made in 1930. The elections were therefore held in the autumn of 1939.

The four tables for the number of electors who voted and the percentage of the number who voted to the total number of electors are in the case of the Provincial Legislatures, approximately only. In the case of the Council of State, each elector has a vote, and there are seats to be filled, and the number of electors on the roll is the number of electors who voted, and the number of electors who voted is the number of electors who voted, and the number of electors who voted is the number of electors who voted.

Class of Constituency.	No of Seats	No of Seats filled without Contest	No of Candidates for contested Seats	Percentage of Electors who voted to the total number of electors	Percentage in 1936
(1)	(2)	(3)	(4)	(5)	(6)
Madras Legislative Council.					
Non-Muhammadan, urban	9	1	10	17.4	62.7
" rural	56	15	80	12.2	36.6
Muhammadan, urban	2	1	2	1.5	10.8
" rural	11	7	18	5.5	36.5
Indian Christians	5	3	5	66.0	63.1
European	1	1	—	—	—
Anglo Indian	1	—	3	55.0	65.3
Landholders	6	3	8	90.0	94.8
University	1	—	3	16.0	—
Planters	1	1	—	—	—
European Commerce	3	3	—	—	—
Indian Commerce	2	2	—	—	97.8
Total	98	35	138	13.1	45.3

TOTAL ELECTORATE 1,120,931

Of the 138 candidates for contested seats, 20 forfeited their deposit, having failed to secure one eighth of the number of votes polled

Bombay Legislative Council.

Non-Muhammadan, urban	11	3	20	8.0	35.6
" rural	35	13	15	13.5	12.9
Muhammadan, urban	5	2	5	12.0	36.5
" rural	22	5	31	46.8	38.3
European	2	2	—	—	—
Landholders	3	2	—	—	—
University	1	—	4	47.2	63.5
European Commerce	3	3	—	22.3	65.7
Indian Commerce	4	2	—	—	60.9
Total	86	32	107	16.5	40.6

TOTAL ELECTORATE 888,801.

Of the 107 candidates for contested seats, 22 forfeited their deposit, having failed to secure one-eighth of the total number of votes polled divided by the number of members to be elected.

Class of Constituency	No of Seats	No of Seats filled without Contest	No of Candi- dates for contested Seats	Percentage of Votes polled to No of Electors in contested Con- stituencies	Per- centage in 1926
(1)	(2)	(3)	(4)	(5)	(6)

Bengal Legislative Council

Non-Muhammadan, urban	11	7	16	25 0	48 4
rural	35	20	54	33 9	39 5
Muhammadan, urban	6	2	12	38 8	41 1
rural	33	14	55	20 2	37 0
Landholders	5	3	8	76 7	77 8
European, General	5	2	6	6 0	—
Commerce	11	11	11	—	—
Anglo-Indian	2	2	2	—	35 8
Indian Commerce	4	2	7	87 7	94 7
Universities	2	1	4	79 8	77 8
Total	114	64	175	26 1	39 3

TOTAL ELECTORATE 1,186,428.

Of the 175 candidates for the contested seats, 20 forfeited their deposit, having failed to secure one-eighth of the number of votes polled

United Provinces Legislative Council

Non Muhammadan, urban	8	2	21	6 0	45 5
rural	52	20	121	21 8	49 3
Muhammadan, urban	4	1	7	53 8	42 0
rural ..	25	16	55	57 1	61 5
Agra Landholders	2	2	4	—	58 0
Taluqdars	4	—	8	42 8	53 3
Chambers of Commerce	3	3	3	—	—
University ..	1	—	2	6 7	71 7
European ..	1	1	1	—	14 2
Total	100	45	222	24 6	50 2

TOTAL ELECTORATE : 1,681,386

Of the 177 candidates for the contested seats, 36 forfeited their deposit, having failed to secure one eighth of the number of votes polled

Punjab Legislative Council.

Non-Muhammadan, urban	7	4	7	19 0	51 0
rural	13	4	19	41 0	53 0
Muhammadan, urban	5	2	8	47 0	59 0
rural	27	15	27	50 0	54 0
Sikh urban	1	1	—	—	—
Sikh, rural	11	6	12	15 0	45 0
Landholders	4	3	2	84 0	—
University	1	1	—	—	80 0
Commerce	1	1	—	—	—
Industry	1	1	—	—	93 0
Total	71	38	75	38 5	51 4

TOTAL ELECTORATE 751,606

Of the 75 candidates for the contested seats, 14 forfeited their deposits, having failed to secure one eighth of the number of votes polled

Election Results.

Class of Constituency	No of Seats	No of Seats filled without Contest	No of Candidates for contested Seats	Percentage of Votes Poll 1 to No of Electors in Constituency	Per centage in 1925
(1)	(2)	(3)	(4)	(5)	(6)
Bihar and Orissa Legislative Council					
Non-Muhammadan, urban	6	2	8	29.7	4.4
Muhammadan, urban	12	2	15	25.2	6.5
" rural	3	—	3	3.2	6.2
European Landholders	15	5	21	5.1	6.5
Planting	1	1	—	—	—
Indian Mining Association	5	4	3	—	—
Indian Mining Federation	1	1	—	—	—
University	1	1	—	—	—
Total	76	45	65	60.2	60.5
TOTAL ELECTORATE 431,064.					
Of the 65 candidates for the contested seats, 7 forfeited their deposits, having failed to secure one-eighth of the number of votes polled					

Central Provinces and Berar Legislative Council					
Non-Muhammadan, urban	9	3	13	21.6	58.2
Muhammadan, urban	32	18	35	36.0	58.9
" rural	8	3	11	12.2	67.1
Landholders	1	—	—	—	—
Planting	2	1	2	6.1	70.1
Commerce and Industry	1	1	—	—	69.0
University	1	1	—	—	72.9
Total	55	27	65	61.5	61.9
TOTAL ELECTORATE 197,772					
Of the 65 candidates for the contested seats, 6 forfeited their deposits, having failed to obtain one-eighth of the votes polled					

Assam Legislative Council					
General, urban	1	—	3	00.9	53.3
Non-Muhammadan, rural	20	8	31	26.1	58.8
Muhammadan, rural	12	5	14	34.7	63.6
Planters	5	—	—	—	—
Commerce and Industry	1	—	5	62.0	92.1
Total	39	19	53	28.3	41.2
TOTAL ELECTORATE 249,976					
Of the 50 candidates for contested seats, 8 forfeited their deposits					

Burma Legislative Council					
General, urban	14	1	32	45.0	40.9
Non-Muhammadan, rural	8	3	18	61.0	51.2
Karen, rural	5	3	4	25.0	21.0
General, rural	44	1	114	16.0	15.0
Anglo-Indian	1	1	—	—	28.0
European	1	1	—	—	—
Commerce	6	—	—	—	—
University	1	6	—	—	—
Total	80	19	173	75.0	16.0
TOTAL ELECTORATE 1,925,695.					
Of the 173 candidates for the contested seats, 17 forfeited their deposits having failed to secure one-eighth of the number of votes polled					
* In the case of Burma the percentages are for the election of 1925					

Class of Constituency	No of Seats	No of Seats filled without Contest	No of Candidates for contested Seats	Percentage of Votes polled to No of Electors in contested Constituencies	Percentage in 1926
(1)	(2)	(3)	(4)	(5)	(6)

Coorg Legislative Council

European	2	2	2	—	—
Jamma	9	1	13	56 6	74 0
Non-Jamma	4	4	4	—	78 8
Total	15	7	19	56 6	74 9

TOTAL ELECTORATE 11,143

No candidate forfeited his deposit

Legislative Assembly.

Madras—					
Non-Muhammadan	10	4	13	30 4	41 3
Muhammadan	3	2	2	56 0	61 0
European	1	1	—	—	—
Landholders	1	—	2	73 0	82 0
Indian Commerce	1	1	—	—	—
Bombay—					
Non-Muhammadan	7	3	9	10 0	39 3
Muhammadan	4	3	2	58 4	33 8
European	2	2	—	—	—
Landholders	1	1	—	—	—
Indian Commerce	2	1	—	—	—
Bengal—					
Non-Muhammadan	6	6	—	—	39 0
Muhammadan	6	5	2	40 3	46 5
European	3	3	—	—	—
Landholders	1	1	—	—	—
Indian Commerce	1	—	3	87 0	—
United Provinces—					
Non-Muhammadan, urban	1	1	1	—	—
Non-Muhammadan, rural	7	4	17	14 2	51 4
Muhammadan, urban	1	1	1	—	26 9
Muhammadan, rural	5	3	8	43 7	64 3
United Provinces, Landholders	1	1	2	—	—
United Provinces, European	1	1	1	—	—
Punjab—					
Non Muhammadan	3	2	2	41 0	61 0
Muhammadan	6	2	10	62 0	64 0
Sikh	2	—	4	50 0	54 0
Landholders	1	1	—	—	87 0
Bihar and Orissa—					
Non-Muhammadan	8	6	4	8 7	52 3
Muhammadan	3	1	4	53 9	59 0
Landowners	1	—	2	62 7	—
Central Provinces and Berar—					
Non Muhammadan	4	4	—	—	75 7
Muhammadan	1	—	2	41 0	—
Landholders	1	1	—	—	37 8
Assam—					
Non-Muhammadan	2	4*	—	—	56 4
Muhammadan	1	1	—	—	52 4
European	1	1	—	—	—
Delhi (General)	1	—	3	22 8	65 0
Burma—					
Non-European constituency	3	—	6	17 7	13 8
Ajmer-Merwara (General)	1	—	3	35 9	63 4
Total	104	65	103	26 1	48 1

* Two candidates withdrew

Election Results.

	Provincial percentage of votes polled in contested constituencies	No. of candidates who were defeated
Madras	31.0	1
Bombay	15.7	—
Bengal	11.5	1
United Provinces	16.0	1
Punjab	55.1	1
Bihar and Orissa	21.5	—
Central Provinces and Berar	10.0	—
Assam	—	—
Burma	17.7	—
Delhi	22.0	—
Ajmer-Merwara	77.0	—

TOTAL ELECTORATE 1,212,172

TOTAL NUMBER OF VOTERS IN CONTESTED CONSTITUENCIES 46,191

NUMBER OF VOTES POLLED " " 121,850

Women Voters

A.—Provincial Legislative Councils

Province	No enrolled	No enrolled in contested Constituencies	No who voted	Percentage of Col 4 on Col 3
(1)	(2)	(3)	(4)	(5)
Madras	127,069	98,680	17,836	18.1
Bombay	47,250	35,877	2,331	6.5
Bengal		Figures not recorded		
United Provinces	56,224	31,300	1,208	3.9
Punjab	25,190	14,907	840	5.6
Central Provinces and Berar	7,079	3,926	347	8.8
Bihar and Orissa	6,924	4,229	229	5.4
Assam	2,324	1,314	85	6.5
Burma	124,404	100,275	13,774	11.0

B —Legislative Assembly.

Madras	19,491	10,338	1,194	11.5
Bombay	5,644	2,617	31	3.2
Bengal	16,360	108	Not recorded	
United Provinces	7,424	3,175	106	3.3
Punjab	3,413	2,193	165	7.5
Central Provinces and Berar	931	40	0	—
Bihar and Orissa	1,676	810	25	3.0
Assam		Figures not recorded		
Burma	5,960	Not separately recorded		
Ajmer-Merwara	Nil	Not separately recorded		
Delhi	—	Not separately recorded		

Council of State.

Place and Class of Constituency	No of Seats	No of Seats filled without Contest	No of Candidates	Total No. of Electors	Total No. of Electors who voted	Percentage of Electors who voted to total No of Electors in consti- tuencies	Percentage
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Madras—							
Non-Muhammadian	4	—	5	3,043	2,398	78 0	84 0
Muhammadian	1	—	2	153	133	86 0	92 0
Bombay—							
Non-Muhammadian	3	—	4	2,147	1,039	48 4	26 0
Muhammadian	1	—	2	240	200	83 3	92 0
(Sind)	1	—	2	383	356	92 9	—
Chamber of Commerce	1	1	1	98	—	—	—
Bengal—							
East Non-Muhammadian	1	—	2	617	200	32 4	—
West	2	—	4	928	758	81 6	78 5
East Muhammadian	1	1	1	736	—	—	61 0
West	1	—	2	251	172	68 5	83 0
Chamber of Commerce	1	1	1	210	—	—	—
United Provinces—							
Northern Non-Muhammadian	1	1	3*	1,313	—	—	60 0
Southern	1	1	1	1,373	—	—	56 0
Central	1	—	2	788	388	49 2	—
East Muhammadian	1	1	1	244	—	—	—
West	1	—	3	335	233	69 5	77 0
Punjab—							
Non-Muhammadian	1	1	1	1,016	—	—	—
East Muhammadian	1	—	2	479	406	84 7	66 0
West	1	—	2	729	587	80 5	73 0
Sikh	1	1	1	573	—	—	—
Bihar and Orissa—							
Muhammadian	1	—	3	461	350	75 9	83 0
Non-Muhammadian	2	—	3	2,084	960	46 1	79 0
Central Provinces—							
General	1	1	1	662†	—	—	70 0
Berar General	1	1	1	402†	—	—	—
Assam—							
Non-Muhammadian	1	1	2‡	594	—	—	—
Burma—							
Chamber of Commerce	1	1	1	71	—	—	—
General	1	3	—	20,583	2,925	14 2	5 0
Total	34	15	53	40,513	11,105	33 4	24 0

* Two candidates withdrew

† These figures are the same as in 1923 as the election was held on the old electoral rolls, prepared in 1925

‡ One candidate retired

(c) no proposal for the appropriation of any such revenues or other moneys for any purpose shall be made except on the recommendation of the governor communicated to the council

(3) Nothing in the foregoing sub section shall require proposals to be submitted to the council relating to the following heads of expenditure —

(i) Contributions payable by the local government to the Governor-General in Council, and

(ii) Interest and sinking fund charges on loans, and

(iii) Expenditure of which the amount is prescribed by or under any law, and

(iv) Salaries and pensions of persons appointed by or with the approval of His Majesty or by the Secretary of State in Council and

(v) Salaries of judges of the high court of the province and of the advocate general

If any question arises whether any proposed appropriation of moneys does or does not relate to the above heads of expenditure, the decision of the governor shall be final

Executive and Legislature—In the light of these facts it is now possible to explain more exactly the relationship between the provincial executive and the provincial legislature. The dual character of the former has already been mentioned, and the corresponding bifurcation of provincial subjects into "reserved" and "transferred" categories. The rules under the act prescribe a list of 20 subjects which are transferred to the administration of the Governor acting with Ministers, the more important of which are Local Self-Government, Medical Administration, Public Health, Education (with certain reservations), Public Works, Agriculture, Excise, and Development of Industries. The "reserved" subjects comprise all those in the list of "provincial" (as distinct from "central") subjects which are not transferred

Machinery—No change has been made by the Act of 1919 in the machinery and methods of administration by the Governor in Council. Decisions are taken at the Council Board, as before, by a majority vote, and the Governor is entitled, as before, to overrule such a vote in certain specified circumstances if he disagrees with it. For such decisions the Governor in Council remains as before, responsible to the Secretary of State and Parliament, and on questions of legislation and supply he has the power of enforcing them despite opposition by a majority of the Legislative Council. But, the whole spirit of the Act and the existence of a large non official elected majority in every Provincial Legislative Council is an important factor in determining the policy to be pursued by the official half of the Government in its administration of reserved subjects. A further and not less important factor is the existence in the Government, side by side with the Executive Council, of two or more Ministers appointed from the elected members of the legislature, who, though they are not charged by law with, and in fact are legally absolved from, any responsibility for decisions on matters outside the transferred sphere, will necessarily be able, and in fact are expected, to make their opinions felt by their colleagues in the Executive Council. But these factors, while they will doubtless lead to

constant endeavour on the part of the official half of the Government to accommodate its policy to the wishes of its ministerial colleagues and of the majority of the legislature, and to avoid situations which involve resort to the enforcement of its decisions in the face of popular opposition, are not intended to obscure the responsibility to Parliament in the last resort of the Governor in Council for the administration of reserved subjects and the right of His Majesty's Government, and of the Secretary of State as a member thereof, to lay down and require the observance of any principles which they regard as having the support of Parliament and in the last resort of the British electorate

Transfer of Control—With regard to transferred subjects the position is very different. Here there has been an actual transfer of control from the British elector and the British Parliament to the elector and the Legislative Council in the Indian province. The provincial subjects of administration are grouped into portfolios, and just as each member of the Executive Council has charge of a portfolio consisting of a specified list of "reserved" subjects or "departments," so each Minister is directly responsible for the administration of those particular transferred "departments" which are included in his portfolio. But his responsibility lies, not, as in the case of a member of the Executive Council, to the Government of India, the Secretary of State and Parliament, but to the Provincial Legislative Council of which he is an elected member and from which he is selected by the Governor as commanding or likely to command the support of the majority of that body. He holds office during the Governor's pleasure, but his retention of office is contingent on his ability to retain the confidence not only of the Governor but also of the Legislative Council, upon whose vote he is directly dependent for his salary. Further, the control of the Legislative Council over transferred subjects, both as regards supplies and legislation, is almost entirely free from the restrictions just noticed which necessarily qualify its control over the "reserved" subjects. It is thus within the power of the Provincial Council to insist on the pursuit of a policy of its own choice in the administration of transferred subjects by withdrawing its confidence from a Minister who departs from that policy and bestowing it only on a successor who will follow its mandate, and this power is dependent on the provincial elector in virtue of his freedom to control the composition of the Legislative Council by the use which he makes of his vote. No doubt this statement requires some qualification before it can be accepted as literally accurate, for, technically, the authority charged with the administration of transferred subjects is "*the Governor acting with Ministers appointed under this Act,*" not the Ministers acting on their own initiative, and, further the Governor, who is not, of course, subject to removal from office by the Legislative Council, is charged personally with responsibility for the peace and tranquillity of his province, and would be entitled, and indeed bound, to recommend the removal of a department from the transferred list if he found the legislature bent on pursuing a policy in its administration which, in his judgment, was incompatible

with the maintenance of peace and tranquillity, yet the powers of control vested in the Legislative Council over the transferred sphere are undoubtedly great and it was the opinion at all events of the Joint Select Committee that legislature and Ministers should be allowed to exercise them with the greatest possible freedom. "If after hearing all the arguments" observed the Committee, "Ministers should decide not to adopt his advice, then in the opinion of the Committee the Governor should ordinarily allow Ministers to have their way, fixing the responsibility upon them, even if it may subsequently be necessary for him to vote any particular piece of legislation. It is not possible but that in India as in all other countries, mistakes will be made by Ministers acting with the approval of a majority of the Legislative Council, but there is no way of learning except through experience and the realisation of responsibility."

Provision of Funds—The terms of the Act leave the apportionment of the provincial revenues between the two halves of the executive for the financing of reserved and transferred subjects respectively to be settled by rules merely providing that rules may be made for the allocation of revenues or moneys for the "purpose of such 'administration' i.e., the 'administration of transferred subjects by the Governor acting with Ministers." Probably the best description available of the method adopted by the rules for the settlement of this matter is the recommendation of the Joint Select Committee whose proposals have been followed with one modification only to enable the Governor to revoke at any time, at the desire of his Council and Ministers an "order of allocation" or to modify it in accordance with their joint wishes. The passage is as follows—

"The Committee have given much attention to the difficult question of the principle on which the provincial revenues and balances should be distributed between the two sides of the provincial governments. They are confident that the problem can readily be solved by the simple process of common sense and reasonable give and take, but they are aware that this question might, in certain circumstances, become the cause of much friction in the provincial government, and they

are of opinion that the rules governing the allocation of these revenues and balances should be framed so as to make the existence of such friction impossible. They advise that, if the Governor, in the course of preparing either his first or any subsequent budget, find that there is likely to be a serious or protracted difference of opinion between the Executive Council and his Ministers on this subject he should be empowered to make an allocation of revenue and balances between the reserved and transferred subjects which should continue for at least the whole life of the existing Legislative Council. The Committee do not endorse the suggestion that certain sources of revenue should be allocated to reserved and certain sources to transferred subjects but they recommend that the Governor should allocate a definite proportion of the revenue, say, by way of illustration, two thirds to reserved and one third to transferred subjects, and divide a proportion though not necessarily the same fraction of the balances. If the Governor desires a change in making the allocation, he should be allowed at his discretion to refer the question to be decided to such authority as the Governor or General shall appoint. Further, the Committee are of opinion that it should be laid down from the first that, until an agreement which both sides of the Government will equally support has been reached or until an allocation has been made by the Governor, the total provisions of the different expenditure heads in the budget of the province for the preceding financial year shall hold good.

The Committee desire that the relation of the two sides of the Government in this matter as in all others, should be one of such mutual sympathy that each will be able to assist and influence for the common good the work of the other, but not to exercise control over it. The budget should not be capable of being used as a means for enabling Ministers or a majority of the Legislative Council to direct the policy of reserved subjects, but on the other hand the Executive Council should be helpful to Ministers in their desire to develop the departments entrusted to their care. On the Governor personally will devolve the task of holding the balance between the legitimate needs of both sets of his advisers."

THE CENTRAL GOVERNMENT

The structural changes made by the Act of 1919 in the system of government outside the nine "Governor's provinces" are of comparatively minor scope, though the spirit of the Act requires, as has already been shown, considerable modification of the relationship hitherto subsisting between the Provincial Governments on the one hand and the Government of India and the Secretary of State in Council on the other. The only concrete changes made in the constitution of the Central Government are the removal of the statutory bar to the appointment of more than six members of the Governor-General's Executive Council (which, however, has had the far-reaching consequence that three of the eight members of the Council are now Indians), and the reconstitution in a much more enlarged representative and independent form of the central legisla-

ture. It has already been observed that this body was, in origin, like all other legislative bodies in India, the Governor-General's Executive Council with the addition of certain "additional members" appointed by the Executive Council for the purpose of legislation. Despite its small size and influence, and despite the introduction of the elective system, the existence of "additional members," who of course under Lord Morley's Act greatly preponderated in numbers over the members proper, i.e., the Executive Councillors, still persisted up to the passing of the Act of 1919. That Act, however, entirely remodelled the "Imperial Legislative Council" as it is now called, which has become, like the Legislative Council in a Governor's province a legislature with all the inherent powers ordinarily attributed to such a body save such

as are specifically withheld by the terms of the Act. It consists of two Chambers. The "Council of State" contains 60 members, of whom 34 are elected (including one member to represent Berar, who, though technically nominated, is nominated as the result of elections held in Berar) and 26 nominated of whom not more than 20 may be officials. The "Legislative Assembly" consists of 144 members, of whom 104 are elected (including in the case of the Council of State, one Berar member who, though actually elected, as technically a nominee). Of the 40 nominated members, 26 are required to be officials. The members of the Governor-General's Executive Council are not *ex officio* members of either Chamber, but each of them has to be appointed a member of one or other Chamber, and can vote only in the Chamber of which he is a member. Any member of the Executive Council may, however, speak in either Chamber. The President of the Upper Chamber is a nominee of the Governor-General, as also, for the first four years after the constitution of the Chamber, is the President of the Legislative Assembly. But after that period the Lower Chamber is to elect its own President, and it elects its own Deputy-President from the outset. The normal lifetime of each Council of State is five years, and of each Legislative Assembly three years, but either Chamber, or both simultaneously, may be dissolved at any time by the Governor-General.

Election—The method of election for both Chambers is direct, and although the number of electors is considerably smaller than for the Provincial Councils, it is a great advance on the very restricted and for the most part indirect franchise established under the Act of 1909 for the unicameral central legislature which no longer exists. Generally speaking, the electoral scheme for the Lower Chamber is on the same model as that for the Provincial Councils already described except that, *firstly*, the property qualification for voters (and consequently for candidates) is higher in order to obtain manageable constituencies, and past service with the colours is not *per se* a qualification for the franchise, and *secondly*, that the constituencies necessarily cover a considerably larger area than constituencies for the Provincial Council. The distribution of seats in both Chambers, and the arrangement of constituencies, are on a provincial basis, that is a fixed number of the elective seats in each Chamber is assigned to representatives of each province, and these representatives are elected by constituencies covering an assigned area of the province.

The following table shows the allotment of the elective seats—

	Legislative Assembly.	Council of State
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Madras	16	5
Bombay	16	6
Bengal	17	6
United Provinces	16	5
Punjab	12	4
Bihar and Orissa	12	5
Central Provinces	6	2
Assam	4	1

Burma	4	2
Delhi	1	
	104	34

Since the area which returns perhaps 80 members to a Provincial Council is the same as the area which returns perhaps 12 members to the Legislative Assembly—namely, the entire province in each case—it follows that on the direct election system this area must be split into constituencies which are much larger than the constituencies for the local Councils, and just as it is generally correct to say that the normal area unit for those rural constituencies for the latter which are arranged on a territorial basis is the district, it may be said that the normal area unit in the case of the Legislative Assembly is the Division (the technical term for the administrative group of districts controlled by a Divisional Commissioner).

The Franchise—The general result of the first franchise arrangements under the Act is thus that there is in each province a body of electors qualified to vote for, and stand for election to, the Provincial Council, and that a selected number of these voters are qualified to vote for and stand for election to those seats in the Legislative Assembly which are assigned to the province. The qualifications for candidature for the Legislative Assembly are the same in each province, *mutatis mutandis*, as for candidature for the Provincial Council, except that in all provinces, so long as the candidate can show that he resides somewhere within the province, no closer connection with his particular constituency is insisted upon.

The franchise for the Council of State differs in character from that for the Provincial Council and the Legislative Assembly. The concern of the framers of the Act and rules was to secure for the membership of this body a character as closely as possible approximating to a "Senate of Elder Statesmen" and thus to constitute a body capable of performing the function of a true revising Chamber. With this object, in addition and as an alternative to a high property qualification—adopted as a rough and ready method of enfranchising only persons with a stake in the country—the rules admit as qualifications certain personal attributes which are likely to connote the possession of some past administrative experience or a high standard of intellectual attainment. Examples of these qualifications are past membership of either Chamber of the Legislature as now constituted, or of its predecessor, or of the Provincial Council, the holding of high office in local bodies (district boards, municipalities and corporations), membership of the governing bodies of Universities, and the holding of titles conferred in recognition of Indian classical learning and literature.

Powers—The powers and duties of the Indian legislature differ but little in character within the "central" sphere from those of the provincial Councils within their provincial sphere, and it has acquired the same right of voting supplies for the Central Government. But as no direct attempt has yet been made to introduce responsible government at the centre, the step in that direction having been avowedly confined to the provinces and as consequently

SECRETARIAT

DEPARTMENT OF EDUCATION, HEALTH AND LANDS

Secretary, G S Bupal, CIL, CBR, ICI
Joint Secretary, Ram Chandra, CII, MBI, ICS
Deputy Secretary, M S A Haidari, ICS
Addl Dy Secy, R H Hutchings, ICS
Educational Commissioner with the Government of India, Sir George Anderson, Kt, CSI, CIF

Inspector General of Forests, C G Trevor, CII, (Dehra Dun)

Asst Secretary, H H Lincoln

Superintendents, Rai Sahib L M Roy, E B Hughes Dhanpat Rai, Sohan Singh, P A (on leave), C P Singer, Tahir Ali, BSC, and Harichand (Offg)

FINANCE DEPARTMENT

Secretary, Sir Alan Parsons, CII, ICS
Deputy Secretary, W Christie, MC, ICS
Budget Officer, K Sanyal Row, MA
Under Secretary, B Shearer, ICS

Assistant Secretaries, S M Ahmed, MA and G K Sarma, BA

Superintendents, B Grice, A K Chakravarty, K Mangeshi Rao, BA, A T Chatterjee, F M Callaway and Attar Singh, IA, (Offg)

Controller of the Currency, W Kelly

Auditor-General, Sir Ernest Burdon, Kt, CSI, CIF, ICS

Deputy Auditor General in India, A C Badenoch, CII, ICS

ARMY DEPARTMENT

Secretary, G R F Tottenham, CII, MIA, ICS

Deputy Secretary, H I Macdonald, OBR, (Officiating)

Director of Military Lands and Contonments, Colonel H F W Paterson

Under Secretary, P Mason, ICS

Officer on Special Duty, Lieut-Col G T I Paterson, OBR, MC, Lieut-Col S B Jackson, MBR

Assistant Secretaries, Major A E R Lumby, CII, OBR, (on leave) T W B Gaidner, MBR, and Rai Sahib S S Ghosh (Temporary)

Superintendents, A P West, Rai Bahadur A P Dube, R W Simpson

CENTRAL BOARD OF REVENUE

Members, A H Lloyd, CSI, CII, ICS, G S Hardy, CII, ICS

Secretary, Rai Bahadur Pandit Ram Nath, BA

MILITARY FINANCE BRANCH

Financial Adviser, A Macleod, CIL, ICS

Deputy Financial Advisers, W J Cortes, BA, J C Brommage, MBE, E Harpn, MA, BSC, V Natesan, MA, (Junior), R L Odling

Assistant Financial Advisers, W F Morton, P N Harcastle, Rai Sahib Amar Nath, Rai Sahib Gaya Prasad, FRFS, and Rai Sahib Hakumat Rai

Superintendents, H D Banerjee, MA, M Gopalan, S C Roy, MA, A C Mukharjee, BSC and Bishambar Das

HOME DEPARTMENT

Secretary, M G Hallett, CII, ICS, (on leave)

Joint Secretary, T Sloan, CII, ICS

Deputy Secretary, C M Trivedi, OBI, ICS

Under-Secretary, C E V Williams, ICS

Assistant Secretary, W D Almeida, MBR

Superintendents, Rai Sahib T P Roy, N Banerjee, P H T Ward, E S Karmel, E H Forst, and Khan Sahib Agha Sikandari (offg)

DIRECTOR, PUBLIC INFORMATION

Director, I M Stephens, MA

IMPERIAL COUNCIL OF AGRICULTURAL RESEARCH

Chairman The Hon Khan Bahadur Miran Sir Fazl-i-Husam KCSI, KCII, Kt

Vice Chairman and Principal Administrative Officer, Dewari Bahadur Sir P Vijay Singh KCSI, KBI

Agricultural Expert, B C Burt CII, MBI, BSC, IAS

Animal Husbandry Expert, Col A Oliver, CB, CMG, IICVS

Secretary, Rai Sahib Malik Charan Das

Superintendent, Rai Sahib Tej Bhari Bahl, BA (On leave)

Superintendent (Offg), Bazzul Karim

Statistician, M Vidyatharan, MA, IT, ISS

Chief Economist, Ramji Das Kapur, MA, BSC

Sugar Technologist, Cawnpore, R C Sivastava, BSC

Locust Res Entomologist, Karachi, Rai Sahib Ramchandra Rao Garu, MA, ISS

FOREIGN AND POLITICAL DEPARTMENT

Secretary, Political, The Hon ble B T Glancy, CSI, CII

Secretary, Foreign, H A F Metcalfe, CSI, CII, MVO

Joint Secretary, R E L Wingate, CII

Deputy Secretary, Political, Major C G Prior

Deputy Secretary, Foreign, Major W K Fraser-Tytler, CMG, MC

Additional Deputy Secretary, V Narahari Rao, MA

Under Secretary, Captain R R Burnett, OBE

Assistant Secretary, A F Emmet, ISO, R A K Hill, (On leave), Rai Bahadur S C Biswas (Offg)

Military Adviser in Chief, Indian States Forces, Brigadier H Campbell, CB, DSO, MVO

Staff Officer to the Military Adviser in Chief, Indian States Forces, Major H C James, MC

Superintendents, E Leicester, ISO, Rai Bahadur Ramji Das Dhamejah, KP, Dewari (on deputation), Rai Sahib A K Kaul, Rai Sahib B R Subramaniam, Pran Kishan (on leave)

G A Heron (on deputation), I S Gonsalves, M O Dover, Sardar Sahib Sundar Singh Chhabra, A J Courtney, J M Mathews (offg), Bishen Singh (offg) and S N Chatterjee (offg)

DEPARTMENT OF COMMERCE

Secretary, The Hon'ble T C B Drake, CSI,
CII, CBI, ICS, (on leave)

Offg Secretary, T A Stewart, ICS

Joint Secretary, A Raiman, CII, ICS

Deputy Secretary, N R Pillai, ICS

Secretary Indian Accountancy Bd, M L
Tanner, IIS, Bar-at-Law

Assistant Secretary, Rai Sahib Ladli Pershad,
BA

Assistant Secretary, G Corley Smith, MBI
(On leave), A N Puri, BA, LRP (offg)

Chief Inspector of Lighthouses in British India,
T Oswald, M Inst CR

Nautical Advisers to the Government of India,
Capt E V Whish, OBR, RIM, (Retd)

Chief Surveyor with the Government of India,
Engr Capt J S Page RIM

Inspector of Lighthouses in British India A N
Seal, BSC (on leave)

Actuary to the Government of India, N Mukerji,
MA, B.L., AIA

POST AND TELEGRAPH DEPARTMENT

Director General, G V Bewoor, CIE, ICS

RAILWAY DEPARTMENT (RAILWAY
BOARD)

HEADQUARTERS (SIMLA & DELHI)

Chief Commissioner, Sir Guthrie Russell

Financial Commissioner, P R Rau

Members, C P Colvin, OBR

Director of Mechanical Engineering, J M D
Wrench, CIE

Director of Traffic, N D Calder

Director of Establishment, R B Mathu Das

Director of Finance, T S Sankaran Aiyar

Director (Civil Engineering), A F Harvey

Secretary, L H Kirkness, DSO, OBE

Deputy Director (Establishment), K M Hassan

Deputy Director, Traffic (Commercial), T
D'Souza

Deputy Director Traffic (Transportation), Z H
Khan

Deputy Director (Finance), Khan Bahadur
Barkat Ali

Deputy Director, Mechanical Engineering, T G
Creighton

Supervisor of Railway Labour, Major H W
Wagstaff

Assistant Secretary, H W C C Smith

Timber Advisory Officer, H C B Toller, IIS
Chief Controller of Standards, J M D Wrench,
CII

Deputy Chief Controller of Standards, I Ingham
Assistant Chief Controller of Standards, I H
Swain

Chief Mechanical Draftsman, I J Lambert

Chief Struc Draftsman T V S Edwards

Assistant in charge, Deverland

Superintendents, T S Sequenza (Traffic),
R S Raghavan (Finance), Kishori Lal
(Budget) and Baldeo Sohi Mohan (Stores)

LEGISLATIVE DEPARTMENT

Secretary, Sir Lancelot Graham, KCII, ICS,
Bar at-Law

Joint Secretary and Draftsman, T Bartley
ICS

Deputy Secretary, G H Spence CII, ICS

Assistant Secretary, Rai Amrita Lal Banerjee
Bahadur BA

Assistant Secretary, A W Chisholm

Superintendents L E James, A K Gupta, PA

SOLICITOR'S BRANCH

Solicitor A Burke Smith

2nd Solicitor S Webb Johnson, OBR

Asst Solicitor S N Mushran, Bar at Law

SURVEY OF INDIA

Col H J Couchman, DSO, MC

GEOLOGICAL SURVEY OF INDIA

Director, L Leigh Fermor, OBR, AISM, DSC
(London), FCS, IASB, M Inst MM

Superintendents, T Coggin Brown, OBR, DSC
(Dunelm), ICS, IASB, MI Min I M Inst
M M, MII, (India), A M Heaton, DSC
(Edin), ICS, IRGS, IPSI, C S Fox
DSI (Birm), MI Min F, ICS, and
E L G Clegg, BSC (Manch)

Assistant Superintendents, H Crookshank BA,
BAI (Dub), G V Hobson, BSC (Iond),
ARSM, DIC, M Inst, MM, I I Bradshaw,
BA, BAI, (Dub) MSC (California),
A L Coulson, DSC (Melb), DIC, ICS,
D N Wadia, MA, BSC, (Bom) ICS,
FRGS,, J A Dunn, DSC (Melb), DIC,
FRGS, C T Barber, MSC (Birm), FRGS,
M Inst, PT, E R Gee, MA, (Cantrb)
FRGS, W D West, MA (Cantrb), M S
Krishnan, MA (Madras), ARCS, DIC
Ph D (London), J B Auden, MA (Cantrb),
V P Sondhi, MSC (Punjab), ICS

BOTANICAL SURVEY OF INDIA

Director, C C Calder, BAG, BSC (Agr), FLS
also Superintendent, Royal Botanic Garden,
Sibpur, and Superintendent, Cinchona
Cultivation, Bengal, Curator, Industrial
Section, Indian Museum, S N Bal, MSE,
PhC, FIS, Systematic Assistant, V
Narayanaswami, MA, Superintendent, Cin-
chona Cultivation in Burma, P T Russell

ARCHAEOLOGICAL SURVEY.

Director-General of Archaeology, Rai Bahadur Dava Ram Sahni, M A, *Deputy Director-General*, Khan Bahadur Maulvi Zafar Hasan, B A, *Superintendent*, K N Dikshit, M A, *Assistant Superintendent, Central India and Rajputna*, H I Srinivastava, M A, *Superintendent, Frontier Circle*, J F Blakiston, *Assistant Superintendent, Frontier Circle*, M S Vats, M A, *Superintendent, B L Dhama, Offg Superintendent, Northern Circle*, Mohd Hamid Kuraishi, B A, *Superintendent, Western Circle*, Dr Mohd Nazim, M A, Ph D, *Superintendent, Central Circle*, G C Chandra *Offg Superintendent, Southern Circle*, H H Khan, A R I B A, *Superintendent, Burma Circle*, U Mya, *Government Epigraphist for India*, Dr Hirananda Sastri, M A, M O L, Litt D, *Offg Superintendent for Epigraphy*, C R Krishnamachari, B A, *Offg Assistant Superintendent for Epigraphy*, Dr N P Chakravarty, M A, Ph D, *Superintendent, Archaeological Section, Indian Museum*, N G Majumdar, M A, *Archaeological Chemist in India*, Khan Bahadur Mohd Sona Ullah M Sc, F S C, *Assistant Archl Chemist in India*, Dr Mohd Abdul Hamid, Ph D, M Sc, F S C, *Curator, Central Asian Antiquities Museum*, Q M Moneer, B A, *Assistant Engineer*, K A A Ansari, Ph D, C E, *Officer on Special Duty*, Sir John Marshall, Kt, C I E, Litt D, F S A

MISCELLANEOUS APPOINTMENTS

Director-General, Indian Medical Service, (Officiating), Major-General G A Sprawson, C I E, I M S
Public Health Commissioner with the Government of India, Lt-Col A J H Russell, C I E, I M S
Deputy Director General, Indian Medical Service, Lt-Col G G Jolly, C I E
Assistant Director-General, Indian Medical Service, Lieut-Col R Sweet, D S O, I M S
Director, Central Research Institute, Kasauli, Lt Col J Tylor, D S O, M D, D P H, I M S
Assistant to Director, Central Research Institute, Kasauli, Major A C Craighead, I M S
Director-General of Observatories, Poona, C W B Normand, M A, D Sc
Director, Kodaikanal and Madras Observatories, Thoms Roysds, D Sc
Meteorologist, Bombay Observatory, Dr S C Roy, D Sc
Librarian, Imperial Library, Calcutta, K M Asadullah, B A, F L A
Director, Imperial Institute of Agricultural Research, Dr W McRae, M A, D Sc
Director, Zoological Survey of India, Indian Museum, Dr Baimi Prishad, D Sc
Master, Security Printing, Nasik Road, Col Sir George Willis, Kt, C I E, M V O, R E, M I M, E

Director, Intelligence Bureau, Sir Horace Williamson, Kt, C I E

Director-General of Commercial Intelligence and Statistics, D B Meek

Deputy Director-General of Commercial Intelligence and Statistics, Rai Bahadur S N Banerji, B A

Controller of Patents and Designs, K Rama Pai, M A

GOVERNORS-GENERAL OF FORT WILLIAM IN BENGAL

Name	Assumed charge of office
Warren Hastings	20 Oct 1774
Sir John Macpherson, Bart	8 Feb 1785
Earl Cornwallis, K G (a)	12 Sep 1786
Sir John Shore, Bart (b)	28 Oct 1793
(a) Created Marquess Cornwallis, 15 Aug 1792	
(b) Afterwards (by creation) Baron Teignmouth	
Lieut-General the Hon Sir Alfred Clarke, K C B (offg)	17 Mar 1798
The Earl of Mornington, P C (c)	18 May 1798
The Marquess Cornwallis, K G (2nd time)	30 July 1805
Captain L A P Anderson, Sir George H Barlow, Bart.	10 Oct 1805
Lord Minto, P C (d)	31 July 1807
The Earl of Moira, K G, P C (e)	4 Oct 1813
John Adam (offg)	13 Jan 1823
Lord Amherst, P C (f)	1 Aug 1823
William Butterworth Bayley (offg)	13 Mar 1828
Lord William Cavendish Bentinck, G C B, G C H, P C	4 July 1828
(c) Created Marquess Wellesley,	2 Dec 1799
(d) Created Earl of Minto	24 Feb 1813
(e) Created Marquess of Hastings	2 Dec 1816
(f) Created Earl Amherst	2 Dec 1826

GOVERNORS-GENERAL OF INDIA

Name	Assumed charge of office
Lord William Cavendish Bentinck, G C B, G C H, P C	14 Nov 1834
Sir Charles Metcalfe, Bart (a) (offg)	20 Mar 1835
Lord Auckland, G C B, P C (b)	4 Mar 1836
Lord Ellenborough, P C (c)	28 Feb 1842
William Wilberforce Bird (offg)	15 June 1844
The Right Hon Sir Henry Hardinge, G C R (d)	23 July 1844
The Earl of Dalhousie, P C (e)	12 Jan 1848
Viscount Canning, P C (f)	29 Feb 1856

The Imperial Legislatures.

The gradual evolution of the Indian constitution is fully traced in the article on "The Government of India," which precedes this, so also are the great changes made by the Reform Act of 1919. For the purposes of easy reference the powers of the Legislatures, as well as the special powers reserved to the Governor-General for the discharge of his responsibilities, which are fully set out in the Act, are reproduced below —

21 (1) Every Council of State shall continue for five years, and every Legislative Assembly for three years, from its first meeting

Provided that—

(a) either chamber of the legislature may be sooner dissolved by the Governor-General and

(b) any such period may be extended by the Governor-General if in special circumstances, he so thinks fit, and

(c) after the dissolution of either chamber the Governor-General shall appoint a date not more than six months, or with the sanction of the Secretary of State, not more than nine months after the date of dissolution for the next session of that chamber

22 (1) An official shall not be qualified for election as a member of either chamber of the Indian legislature, and, if any non official member of either chamber accepts office in the service of the Crown in India his seat in that chamber shall become vacant

(4) Every member of the Governor-General's Executive Council shall be nominated as a member of one chamber of the Indian legislature, and shall have the right of attending in and addressing the other chamber, but shall not be a member of both chambers

24 (3) If any Bill which has been passed by one chamber is not, within six months after the passage of the Bill by that chamber, passed by the other chamber either without amendments or with such amendments as may be agreed to by the two chambers, the Governor-General may in his discretion refer the matter for decision to a joint sitting of both chambers. Provided that standing orders made under this section may provide for meetings of members of both chambers appointed for the purpose, in order to discuss any difference of opinion which has arisen between the two chambers

(4) Without prejudice to the powers of the Governor-General under section sixty eight of the principal Act, the Governor-General may where a Bill has been passed by both chambers of the Indian legislature, return the Bill for reconsideration by either chambers

(7) Subject to the rules and standing orders affecting the chamber, there shall be freedom

of speech in both chambers of the Indian legislature. No person shall be liable to any proceeding in any court by reason of his speech or vote in either chamber, or by reason of any thing contained in any official report of the proceedings of either chamber

25 INDIAN BUDGET —(1) The estimated annual expenditure and revenue of the Governor-General in Council shall be laid in the form of a statement before both chambers of the Indian legislature in each year

(2) No proposal for the appropriation of any revenue or moneys for any purpose shall be made except on the recommendation of the Governor-General

(3) The proposals of the Governor-General in Council for the appropriation of revenue or moneys relating to the following heads of expenditure shall not be submitted to the vote of the legislative assembly, nor shall they be open to discussion by either chamber at the time when the annual statement is under consideration, unless the Governor-General otherwise directs—

(i) interest and sinking fund charges on loans and

(ii) expenditure of which the amount is prescribed by or under any law, and

(iii) salaries and pensions of persons appointed by or with the approval of His Majesty or by the Secretary of State in Council, and

(iv) salaries of chief commissioners and judicial commissioners, and

(v) expenditure classified by the order of the Governor-General in Council as—

(a) ecclesiastical,

(b) political,

(c) defence

(4) If any question arises whether any proposed appropriation of revenue or money, does or does not relate to the above heads the decision of the Governor-General on the question shall be final

(5) The proposals of the Governor-General in Council for the appropriation of revenue or moneys relating to heads or expenditure not specified in the above heads shall be submitted to the vote of the legislative assembly in the form of demands for grants

(6) The legislative assembly may assent or refuse its assent to any demand or may reduce the amount referred to in any demand by a reduction of the whole grant

THE LEGISLATIVE ASSEMBLY.

President —Sir R K Shanmukham Chetty, K C I E

Deputy President —Mr Abdul Matin Chaudhury

A ELECTED MEMBERS (104)

Constituency	Name
Madras City (Non-Muhammadan Urban)	M R Ry Diwan Bahadur A Ramaswami Mudaliar
Ganjam cum Vizagapatam (Non-Muhammadan Rural)	Mr B Sitarama Raju
Godavari cum Kistna (Non-Muhammadan Rural)	Mr Mochay Narasimha Rao
Guntur cum Nellore (Non-Muhammadan Rural)	M R Ry Ponake Govindu Reddy Garu
Madras ceded districts and Chittoor (Non-Muhammadan Rural)	Mr T N Ramakrishna Reddi
Salem and Coimbatore cum North Arcot (Non-Muhammadan Rural)	Sir R K Shanmukham Chetty, K C I E †
South Arcot cum Chingleput (Non-Muhammadan Rural)	Diwan Bahadur T Rangachariar, C I E
Tanjore cum Trichinopoly (Non-Muhammadan Rural)	Raja Bahadur G Krishnamachariar
Madura and Ramnad cum Tinnevely (Non-Muhammadan Rural)	Mr B Rajaram Pandian
West Coast and Nilgiris (Non-Muhammadan Rural)	Mr K P Thampin
North Madras (Muhammadan)	Mahomed Murazzam Saheb Bahadur
South Madras (Muhammadan)	Moulvi Sayyid Murtuza Saheb Bahadur
West Coast and Nilgiris (Muhammadan)	Kottal Uppi Saheb Bahadur
Madras (European)	Mr F L James
Madras Landholders	Raja Sir Vasudeva Rajah, Kt, C I E
Madras Indian Commerce	Mr Vidya Sagar Pandya
Bombay City (Non-Muhammadan Urban)	Mr Naoroji M Dumasia
Ditto	Sir Cowasji Jehanji, K C I R, O B E
Sind (Non-Muhammadan Rural)	Diwan Lalchand Navabai
Bombay Northern Division (Non-Muhammadan Rural)	Mr N N Anklesaria
Bombay Central Division (Muhammadan Rural)	Sir Ibrahim Rahimtulla, K C S I, C I E
Bombay Central Division (Non-Muhammadan Rural)	Mr B V Jadhav
Ditto	Mr N R Gunjal
Bombay Southern Division (Non-Muhammadan Rural)	Rao Bahadur B L Patil
Bombay City (Muhammadan Urban)	Mr Rahimtoola M Chinoy
Sind (Muhammadan Rural)	Seth Haji Abdulla Haroon
Ditto	Nawab Niharsinghi Ishwarsinghi
Bombay (European)	Mr D N O'Sullivan
Ditto	Sir Leslie Hudson, Kt
The Indian Merchants' Chamber and Bureau (Indian Commerce)	
Gujarat and Deccan Sardars and Inamdars (Landholders)	Sardar G N Majumdar

† Elected President

Constituency	
Bombay Millowners' Association (Indian Commerce) **	Mr. Homaji P. ...
Calcutta (Non Muhammadan Urban)	Mr. C. C. ...
Calcutta Suburbs (Non Muhammadan Urban)	Mr. ...
Burdwan Division (Non Muhammadan Rural)	...
Presidency Division (Non Muhammadan Rural)	...
Dacca Division (Non Muhammadan Rural)	...
Chittagong and Rajshahi Divisions (Non Muhammadan Rural)	...
Calcutta and Suburbs (Muhammadan Urban)	...
Burdwan and Presidency Divisions (Muhammadan Rural)	...
Dacca cum Mymensingh (Muhammadan Rural)	...
Bakerganj cum Faridpur (Muhammadan Rural)	...
Chittagong Division (Muhammadan Rural)	...
Rajshahi Division (Muhammadan Rural)	...
Bengal (European)	...
Do	...
Do	...
Bengal Landholders	...
Bengal National Chamber of Commerce (Indian Commerce)	...
Cities of the United Provinces (Non Muhammadan Urban)	...
Meerut Division (Non-Muhammadan Rural)	...
Agra Division (Non Muhammadan Rural)	...
Rohilkund and Kumaon Division (Non Muhammadan Rural)	...
Allahabad and Jhansi Divisions (Non Muhammadan Rural)	...
Benares and Gorakhpur Divisions (Non Muhammadan Rural)	...
Lucknow Division (Non Muhammadan Rural)	...
Fyzabad Division (Non-Muhammadan Rural)	...
Cities of the United Provinces (Muhammadan Urban)	...
Meerut Division (Muhammadan Rural)	...
Agra Division (Muhammadan Rural)	...
Rohilkund and Kumaon Divisions (Muhammadan Rural)	...
United Provinces Southern Division (Muhammadan Rural)	...
Lucknow and Fyzabad Divisions (Muhammadan Rural)	...
United Provinces (European)	...
United Provinces Landholders	...
Ambala Division (Non Muhammadan)	...
Jullundur Division (Non Muhammadan)	...

Constituency	Name
West Punjab (Non Muhammadan)	Mr B R Puri
East Punjab (Muhammadan)	Hon'ble Nawab Md Ibrahim Ali Khan
East Central Punjab (Muhammadan)	Shahk Sadiq Hasan
West Central Punjab (Muhammadan)	Mirza Muhammad Shah Nawaz, C I E
North Punjab (Muhammadan)	Major Nawab Malik Talib Mehdi Khan, O B E
North-West Punjab (Muhammadan)	Shahk Fazal Haq Piracha
South-West Punjab (Muhammadan)	Khan Bahadur Makhdum Sayid Rajan Bakhsh Shah
East Punjab (Sikh)	Sirdar Harbans Singh Brar
West Punjab (Sikh)	Sardar Sant Singh.
Punjab Landholders	Sirdar Sohan Singh
Darbhangā cum Saran (Non Muhammadan)	Pundit Ram Krishna Jha.
Muzaffarpur cum Champaran (Non-Muhammadan)	Babu Gaya Prasad Singh.
Orissa Division (Non-Muhammadan)	Babu Sitakanta Mahapatra
Do do	Mr Bhubananda Das
Patna cum Shahabad (Non Muhammadan)	Badri Lal Rustogi
Gaya cum Monghyr (Non-Muhammadan)	Kumar Gupteshwar Prasad Singh
Bhagalpur, Purnea and the Santhal Parganas (Non-Muhammadan)	Rai Bahadur Sukhray Roy
Chota Nagpur Division (Non Muhammadan)	Thakur Mohendra Nath Shah Deo
Patna and Chota Nagpur cum Orissa (Muhammadan)	Mr M Maswood Ahmad.
Bhagalpur Division (Muhammadan)	Moulvi Badi uz-Zaman
Tirhut Division (Muhammadan)	Moulvi Muhammad Shafee Daoodi
Biher and Orissa Landholders	Mr Bhuput Sing
Nagpur Division (Non-Muhammadan)	Rao Bahadur S R Pundit
Central Provinces Hindi Divisions (Non-Muhammadan)	Sir Hari Singh Gour, Kt
Do do	Seth Liladhary Chaudhry
Central Provinces (Muhammadan)	Khan Bahadur H M Wilayatullah, I S O
Central Provinces Landholders	Goswami M P Puri
Assam Valley (Non-Muhammadan)	Mr T R Phookun
Surma Valley cum Shillong (Non-Muhammadan)	Mr Gopika Romon Roy
Assam (Muhammadan)	Mr Abdul Matin Chaudhury *
Assam (European)	Mr F W Hockerhull
Burma (Non-European)	Mr Jehangir K Munshi
Do	U Tun Myint
Do	U Ba Mung
Burma (European)	Mr E S Miller
Delhi (General)	Bhagat Chand Mal Gola
Ajmer Merwara (General)	Rai Sahib Har Bilas Sarda

* Elected Deputy President

Province or body represented	Name
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NOMINATED MEMBERS—EXCLUDING THE PRESIDENT (41)

(a) OFFICIAL MEMBERS (26)

Government of India

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Madras

Bengal

Do

The Punjab

The Central Provinces

Assam

Sind

Eastern Bengal

United Provinces

Bihar

The Hon Sir James Grigg, K C B

The Hon Sir Nripendra Nath Sircar, Kt

The Hon Sir Joseph Bhoru, K.C.S.I., K.C.I.E., C.B.I.

The Hon Sir Harry Hargreaves, K.C.S.I., C.I.E.

The Hon Sir Frank Noyce, Kt, C.S.I., C.I.E.

Mr P R Rau.

Sir Lancelot Graham, K.C.I.F.

Mr G S Bajpai, C.I.E., C.B.I.

Mr G R F Tottenham, C.I.E.

Mr H A F Metcalfe, C.S.I., C.I.E., M.V.O.

Mr S P Varma

Mr K Sanjiva Row

Mr T Sloan, C.I.E.

Mr G S Hardy, C.I.E.

Mr A R Cox

Mr V Ramkrishna

Mr W Dillon

Mr A M Macmillan.

Mr J M Chatterjee.

Mr D N Mukerjee

Mr J H Darwin, C.I.E.

Khan Bahadur Mian Abdul Aziz, C.B.E.

Mr^{OP} P Sinha

Mr C J Irwin, C.S.I., C.I.E.

Mr James Hezlett, C.I.E.

Mr S G Grantham

(b) Berar representative (1) Mr S G Jog

(c) Non OFFICIAL MEMBERS (14)

United Provinces

Bombay

Delhi

Bengal

The Punjab

Do

Do

Do

Bihar and Orissa

North West Frontier Province

Associated Chambers of Commerce

Indian Christian

The Depressed Classes

Anglo Indian Community

Labour Interests

Khan Bahadur Maulvi Rafiuddin Ahmed

Dr R D Dalal

Rai Bahadur Satya Charan Mukherjee

Sardar Bahadur Sardar Sir Jawahar Singh, Kt
C.I.E.

Capt Sher Muhammad Khan, Gakhar

Hon'ble Capt Rao Bahadur Ch Lal Chaudhary, O.B.F.

Khan Bahadur Malik Allah Baksh Khan Tiwana

Mr Ramaswami Srinivasa Sarma, C.I.E.

Major Nawab Ahmad Nawaz Khan, O.B.E.

Mr R T H Mackenzie *

Dr F X deSouza

Rao Bahadur Mylai Chinnathambi Rajah.

Lt-Col Sir H A J Gidney, Kt

Mr N M Joshi

* Died in March 1934

THE COUNCIL OF STATE.

President—The Hon'ble Sir Maneckji Byramji Dadabhoi, K C I E, Kt, Bar at-Law

A —ELECTED MEMBERS (33)

Constituency	Name
Madras (Non-Muhammadan)	Diwan Bahadur Sir S M. Annamalai Chettiyar, Kt
Do	Mr Yarlagadda Rangamayyalu Naidu
Do	Mr V C Vellingiri Gounder
Do	Diwan Bahadur G. Narayanaswami Chetti, C I F
Madras (Muhammadan)	Syed Muhammad Padshah Saheb Bahadur
Bombay (Non-Muhammadan)	Sardar Shri Jagannath Maharaj Pandit
Do	Sir Homi Metha, Kt
Do	Sir Phiroze C. Sethna, Kt, O B E
Bombay Presidency (Muhammadan)	Sardar Saheb Sir Sulaiman Cassum Haji Mitha, Kt, C I I
Sind (Muhammadan)	Mr Ali Baksh Muhammad Hussain
Bombay Chamber of Commerce	Mr E. Miller
East Bengal (Non-Muhammadan)	Babu Jagadish Chandra Banerjee
West do do	Kumar Nripandra Narayan Sinha
West do do	Mr Satyandra Chandra Ghose M. A. I. I.
West Bengal (Muhammadan)	Mr Mahmood Suhrawardy
East do do	Khan Bahadur Syed Abdul Hafiz
Bengal Chamber of Commerce	Mr J S Henderson
United Provinces Central (Non-Muhammadan)	Rai Bahadur Lala Mathura Prasad Mehta.
United Provinces Northern (Non-Muhammadan)	Rai Bahadur Lala Jagdish Prasad
United Provinces Southern (Non-Muhammadan)	
United Provinces West (Muhammadan)	Khan Bahadur Hafiz Muhammad Halim.
United Provinces East (Muhammadan)	Shaikh Mushir Hosun Kidwai
Punjab (Non-Muhammadan)	Rai Bahadur Lala Ram Saran Das, C I E
Punjab (Sikh)	Sardar Buta Singh
East Punjab (Muhammadan)	Khan Bahadur Chandri Muhammad Din.
West Punjab (Muhammadan)	Sayad Sir Mohammad Mehr Shah, Kt
Bihar and Orissa (Non-Muhammadan)	Rai Bahadur Radha Krishna Jalan
Do	Raja Raghunandan Prasad Singh
Bihar and Orissa (Muhammadan)	Mr Abu Abdullah Syed Hussain Imam
Central Provinces (General)	Mr V V Kulkar
Assam (Non-Muhammadan)	
Burma (General)	
Burma Chamber of Commerce	Mr J. B. Glass

Constituency	Name
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B—NOMINATED MEMBERS—*excluding the President*(a) *Official Members (13 excluding President)*

Government of India	.. ..	His Excellency General Sir Philip Walhouse Chetwode, Bt, GCB, KCMG, DSO
Do	.. ..	Khan Bahadur Mun Sir Iqbal Hussain, KCSI, KCI
Do.	. . .	Mr M G Hallett, CII
Do.	. . .	Mr D G Mitchell C S I, C I I
Do	.. ..	Mr J Barthol
Do	.. ..	Mr B T Glancy, C S I, C I I
Do	. . .	Mr J B Taylor, C I F
Do.	.. ..	Mr T A Stewart
Do.	.. .	Sir Guthrie Russell, Kt
Do		Mr G H Spence, C I I
Madras	. . .	Mr A G Cloe, C I I
Bihar and Orissa	.. . . .	Mr H S Crosthwaite, C I I

(b) *Benar Representative*

Benar Representative	Mr. Ganesh Srikrishna Khaparde
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(c) *Non-Official Members.*

Madras	. . .	Sir David Devadoss, Kt
Do	. . .	Sir Kurma V Reddi, Kt
Bombay		Khan Bahadur Dr Sir N Choksy, Kt, C I I
Bengal	.. ..	Mr Jyotsnauth Ghosal, C S I, C I I
Do	.. ..	Mr Bijay Kumar Basu
Do		نواب Khwaja Habibullah
Central Provinces		Sir Manockji Byramji Dadabhoy, K C I E, Kt
The United Provinces		Sayid Raza Ali, C D F
Do		Pundit Gokaran Nath Ugr
The Punjab		Raja Charanjit Singh
Do		نواب Malik M'd Hanyat Khan Noon, C S I
North-West Frontier Provinces		Major Nawab Sir Mahomed Akbar Khan, K B E, C I E, Khan of Hoti
Bihar	..	Maharajadhiraj Sir Kameshwar Singh, K C I E, of Darbhanga

The Bombay Presidency.

The Bombay Presidency stretches along the west coast of India, from Sind in the North to Kanara in the South. It has an area of 123,623 square miles and a population of 23,040,506. Geographically included in the Presidency but under the Government of India is the first class Native State of Baroda, with an area of 8,164 square miles and a population of 2,443,007.

Baroda Population

There are no States in political relations with the Government of Bombay, as they are all now under the Government of India.

The Presidency embraces a wide diversity of soil, climate and people. In the Presidency Proper are the rich plains of Gujarat, watered by the Nerbudda and the Tapti, whose fertility is so marked that it has long been known as the Garden of India. South of Bombay City the province is divided into two sections by the Western Ghats, a range of hills running parallel to the coast. Above Ghats are the Deccan Districts, south of these come the Karnatic Districts. On the sea side of the Ghats is the Konkan, a rice-growing tract, intercepted by creeks which make communication difficult. Then in the far north is Sind, totally different from the Presidency Proper, a land of wide and monotonous desert except where irrigation from the Indus has brought abounding fertility.

The People

The population varies as markedly as soil and climate. In Sind Mahomedans predominate. Gujarat has remained true to Hinduism although long under the dominion of powerful Mahomedan kings. Here there is an amplitude of caste divisions and a people, who although softened by prosperity, are amongst the keenest trading races in the world. The Deccan peasant has been seasoned by adversity, the saying goes that the Deccan expects a famine one year in every three, and gets it, the population is much more homogeneous than in Gujarat, and thirty per cent are Mahrattas. The Karnatic is the land of the Lingayets, a Hindu reforming sect of the twelfth century, and in the Konkan there is a large proportion of Christians. Four main languages are spoken, Sindhi, Gujarati, Marathi and Kanarese, with Urdu a rough *lingua franca* where English has not penetrated. The main castes and tribes number five hundred.

Industries

The principal industry is agriculture, which supports sixty-four per cent of the population. In Sind the soils are wholly alluvial, and under the influence of irrigation produce yearly increasing crops of wheat and cotton. In Gujarat they are of two classes, the black cotton soil, which yields the famous Broach cottons the finest in India, and alluvial, which under careful cultivation in Ahmedabad and Kaira makes splendid garden land. The dominant soil characteristic of the Deccan is black soil, which produces cotton, wheat, gram

and millet, and in certain tracts rich crops of sugarcane. The Konkan is a rice land, grown under the abundant rains of the submontane regions, and in the south the Dharwar cotton vies with Broach as the best in India. There are no great perennial rivers suitable for irrigation, and the harvest is largely dependent upon the seasonal rainfall, supplemented by well irrigation. A chain of irrigation works, consisting of canals fed from great reservoirs in the region of unfailing rainfall in the Ghats, is gradually being completed, and this will ultimately make the Deccan immune to serious drought. More than any other part of India the Presidency has been scourged by famine and plague. The evils have not been unmixed, for tribulation has made the people more self-reliant, and the rise in the values of all produce, synchronising with a certain development of industry, has induced a considerable rise in the standard of living. The land is held on what is known as the ryotwari tenure, that is to say, each cultivator holds his land direct from Government under a moderate assessment, and as long as he pays this assessment he cannot be dispossessed.

Manufactures

Whilst agriculture is the principal industry, others have no inconsiderable place. The mineral wealth of the Presidency is small and is confined to building stone, salt extracted from the sea, and a little manganese. But the handicrafts are widely distributed. The handloom weavers produce bright-coloured saris, and to a diminishing extent the exquisite kincobs of Ahmedabad and Surat. Bombay silverware has a place of its own, as well as the brass work of Poona and Nasik. But the tendency is to submerge the indigenous handicrafts beneath industry organised on modern lines. Bombay is the great centre in India of the textile trade. This is chiefly found in the headquarter city, Bombay.

Number of Looms in Bombay Island	76,950
Number of Spindles in Bombay Island	34,41,856
Number of hands employed in the Textile Industry in Bombay Island (daily average)	1,29,534
Consumption of Cotton by the Mills in Bombay Island (in candies of 784 lbs)	4,60,365
Number of Spindles in Ahmedabad	18,32,683
Number of Looms in Ahmedabad	42,503
Number of Spindles in Sholapore	3,19,304
Number of Looms in Sholapore	6,026
Number of Spindles in the Bombay Presidency (excluding Bombay Island)	30,01,633
Number of Looms in the Bombay Presidency (excluding Bombay Island)	64,292

Great impetus has been given to Bombay industries by the provision of electric power generated fifty miles away on the Ghats, and the year 1919 witnessed a phenomenal flotation of new industrial companies of almost every description.

The recent political movement has given considerable impetus to indigenous industry particularly to the textile trade which has shown much expansion. About four mills are in the course of construction in Ahmedabad.

The situation of Bombay on the western sea-board in touch at once with the principal markets of India and the markets of the West has given Bombay an immense sea-borne trade. The older ports, Surat, Broach, Cambay and Mandvie, were famous in the ancient days, and their bold and hardy mariners carried Indian commerce to the Persian Gulf and the coasts of Africa. But the opening of the Suez Canal and the increasing size of ocean steamers have tended to concentrate it in modern ports with deep water anchorages, and the sea-borne trade of the Presidency is now concentrated at Bombay and Karachi, although attempts are being made to develop Mormugao in Portuguese territory into an outlet for the trade of the Southern Mahratta Country, and Port Okha as a port of considerable importance for Kathiawar and Gujarat.

Administration

The Presidency is administered by a Governor and an Executive Council of two members, with the assistance of two Ministers. The exact change made in the functions of the Provincial Governments is indicated in the section on the Provincial Governments (*q v*) where a description is given of the division of the administration into two branches, the Reserved Subjects, administered by the Governor and his Council and the Transferred Subjects, administered by the Governor and his Ministers, the whole Government commonly meeting and acting as one. In another part of that section the division between Reserved and Transferred subjects is shown. This new form of administration under the Reform Act of 1919 came into operation in January 1921. All papers relating to public service business reach Government through the Secretariat, divided into seven main departments, each under a Secretary: (a) Finance, (b) Revenue, (c) Home and Ecclesiastical, (d) Political and reforms, (e) General and Educational, (f) Legal, (g) Public Works. The senior of the Civilian Secretaries is entitled the Chief Secretary. The Government is in Bombay from November to the end of May, and in Poona from June to November, but the Secretariat is always in Bombay. Under the Governor-in-Council the Presidency is administered by four Commissioners. The Commissioner in Sind has considerable independent powers. In the Presidency Proper there are Commissioners for the Northern Division, with headquarters at Ahmedabad, the Central Division at Poona, and the Southern Division at Belgaum. Each district is under a Collector, usually a Covenanted Civilian, who has under him one or more Civilians as Assistant Collectors, and one or more Deputy Collectors. A collectorate contains on an

average from eight to ten talukas, each consisting of from one to two hundred villages whose whole revenues belong to the State. The village officers are the patel, who is the head of the village both for revenue and police purpose, the talati or kulkarni, clerk and accountant, the messenger and the watchman. Over each taluka or group of villages is the mamlatdar, who is also a subordinate magistrate. The charge of the Assistant or Deputy Collector contains three or four talukas. The Collector and Magistrate is over the whole District. The Commissioners exercise general control over the Districts in their Divisions.

Justice

The administration of justice is entrusted to the High Court sitting in Bombay, and comprising a Chief Justice, who is a barrister, and nine puisne judges, either Civilian, Barristers, or Indian lawyers. In Sind the Court of the Judicial Commissioner (The Judicial Commissioner and three Additional Judicial Commissioners) is the highest court of civil and criminal appeal. The growing importance of Karachi and Sind has, however, necessitated the raising of the status of the Judicial Commissioner's Court and the passing of the Sind Courts Act in August 1926, which contemplates the creation of a Chief Court for Sind with a Chief Judge and three or more Puisne Judges. The Act, however, has not yet been put into effect owing to financial difficulties. Of the lower civil courts the court of the first instance is that of the Subordinate Judge recruited from the ranks of the local lawyers. The Court of first appeal is that of the District or Assistant Judge, or of a first class subordinate judge with special powers. District and Assistant Judges are Indian Civilian, or members of the Provincial Service or the Bar. In cases exceeding Rs 5,000 in value an appeal from the decision of the Subordinate or Assistant Judge and from the decision of the District Judge in all original suits lies to the High Court. District and Assistant Judges exercise criminal jurisdiction throughout the Presidency but original criminal work is chiefly disposed of by the Executive District Officers and Resident and City Magistrates. Capital sentences are subject to confirmation by the High Court. In some of the principal cities Special Magistrates exercise summary jurisdiction (Bombay has six Presidency Magistrates, as well as Honorary Magistrates exercising the functions of English Justices of the Peace) and a Court of Small Causes, corresponding to the English County Courts.

Local Government

Local control over certain branches of the administration is secured by the constitution of local boards and municipalities, the former exercising authority over a District or a Taluka, and the latter over a city or town. These bodies are composed of members either nominated by Government or elected by the people, who are empowered to expend the funds at their disposal on education, sanitation, the construction of roads and tanks, and general improvements. Their funds are derived from cesses on the land revenue, the toll, ferry funds and local taxes. The tendency of recent years has

been to increase the elective and reduce the nominated element, to allow these bodies to elect their own chairmen, whilst larger grants have been made from the general revenues for water supply and drainage.

The Bombay Municipal Boroughs Act of 1925 works further advance in the matter of local Self-Government in the Presidency. The Act provides more adequate basis for Municipal Administration in the larger cities of the Bombay Presidency. The larger municipalities are now styled as Municipal Boroughs which are now 29 in number. The executives of these Borough Municipalities are invested with larger powers than hitherto exercised. Another important change introduced by the Act was the extension of municipal franchise to occupiers of dwellings or buildings with annual rental values of Rs 12 or with capital value of not less than Rs 200.

Public Works

The Public Works Department is under the control of two Chief Engineers who act as Secretaries to the Government, one for Roads, Buildings, Railways, etc. and the other for Irrigation. Under them are Superintending Engineers in charge of Circles and Executive Engineers in charge of divisions, the Consulting Architect and the Electrical Engineer. The chief irrigation works are in Sind and consist of a chain of canals fed by the annual inundations from the Indus. The Iloids Barrage and canals project which was inaugurated in 1923 is the greatest Irrigation Scheme in the world and is designed to ensure the vast areas of fertile land in Sind a regular and constant supply of water. It will enable about 6 million acres of crops to be irrigated annually, i.e. about as much area irrigated in Egypt. The scheme is not only vital to the future of Sind but of indirect benefit to the whole of India. The whole scheme is estimated to cost over 15 million sterling or 20 crores of rupees. The Barrage was formally opened by the Viceroy and Governor General of India on 13th January 1932. In the Presidency proper there is a chain of protective irrigation works, originating in reservoirs in the Ghat regions. The principal works are the Nira Canals fed by Lake Whiting impounded by the Iloids Dam at Bhatgar, the Pravara Canals fed by Lake Arthur Hill impounded by Wilson Dam at Bhandardara, the Mutha Canals fed by Lake Ilfe at Khadakvasla, the Godavari Canals fed by Lake Beale at Nandur Madhmeshwar and the Gokak Canal. The Mutha Canals and the Gokak Canal were completed in 1898-97, the Nira Left Bank Canal in 1905-06, the Godavari Canals in 1915-16 and the Pravara Canals in 1926-27. The Nira Right Bank Canal which has been under construction since 1912 is nearing completion. The Wilson Dam at Bhandardara the second highest yet constructed by Engineers the world over was opened by His Excellency the Governor on 10th December 1926. The Iloids Dam at Bhatgar which is 5,333 feet in length, 190 feet in height and 124 feet in width was opened by H. L. Sir Leslie Wilson on 27th October 1928. It cost Rs 172 lakhs. It is remarkable as being the largest Dam in volume hitherto constructed and contains 21½ million cubic feet of masonry. The Assuan Dam

in Egypt is popularly supposed to be the largest Dam in existence but that contains 19 million cubic feet. It cost also nearly 50 per cent more than the Iloids Dam. An idea of the magnitude of the Iloids Dam can be gathered from the fact that if a wall 6 feet high and 15 inches thick were constructed from the masonry in the Dam it would stretch a distance of 520 miles, say from Bombay to Nagpur. These projects will irrigate certain tracts most liable to famine.

Police

The Police Force is divided into 3 categories, viz., District Police, Railway Police and the Bombay City Police. The District and Railway Police in the Presidency proper are for the purpose of control under the Inspector General of Police who is assisted by three Deputy Inspectors-General, of whom two are in charge of Ranges and the third is in charge of the Criminal Investigation Department and the Fingerprint Bureau. District and Railway Police in Sind are under the Deputy Inspector-General of Police for Sind, subject to the control of the Commissioner-in-Sind. The executive management of the Police in each district and on Railways in the Presidency proper as well as in Sind is vested in a Superintendent of Police under the general direction of the Magistrate of the District concerned except in the case of the Railway Police. For the purposes of effective supervision over the investigation and prevention of crime, some of the larger districts are divided into one or more sub-divisions each under a Sub-Divisional Officer who is either an Assistant Superintendent of Police, or an Inspector of Police, a Deputy Superintendent of Police. Sub-Inspectors are the officers in charge of Police Stations and are primarily responsible under the law, for the investigation of offences reported at their Police Stations. Officers appointed directly to the posts of Assistant Superintendents of Police, Deputy Superintendents of Police, Inspectors and Sub-Inspectors undergo a course of training at the Central Police Training School at Nasik before being posted to Districts for executive duty. The Bombay City Police is a separate force under the Commissioner of Police who is directly responsible to Government.

Education

Education is imparted partly through direct Government agency, and partly through the medium of grants in aid. Government maintain Arts Colleges at Bombay, Andheri, Poona, Ahmedabad and Dharwar, the Grant Medical College, the Poona College of Engineering, the Agricultural College, Veterinary College, School of Art, Law College and a College of Commerce. Most of the secondary schools are in private hands. The primary schools are maintained by Local Authorities, with a grant-in-aid. The Bombay Municipality is responsible for primary education in Bombay City (q v, Education).

The Quinquennial Report on Public Instruction in the Bombay Presidency for the years 1927-1932 reveals much information regarding the progress of education in recent years. The passing in 1923, of the Primary Education Act was perhaps the most important event in the history of Primary Education in the Bombay Presidency during the last 30 or 40

The principal educational institutions are —

Government Arts Colleges—

- Elphinstone College, Bombay, Principal, Mr H Hamill, M A
 Ismail College, Andheri (Bombay) Principal, Dr M B Rehman, M A (Punjab), Ph D (Cambridge)
 Deccan College, Poona, Principal, Mr E A Wodehouse
 Gujarat College, Ahmedabad, Principal G Findlay Shirras, M A, F S S (Offg)
 Kainat College, Dharwar, Principal, Mr A C Farren
 Royal Institute of Science, Bombay Principal, Dr Thomas S. Wheeler, F I C, Ph D, F R C S I

Private Arts Colleges—

- St Xavier's, Bombay (Society of Jesus) Principal, Rev Father Duhr, S J
 Wilson College, Bombay (Scottish Mission) Principal, Rev J Mackenzie, M A
 Fergusson College, Poona (Deccan Educational Society), Principal, G S Mahajani, M A, B Sc
 Baroda College, Baroda (Baroda State) Principal, S G Burrow, B Sc
 Samaldas College, Bhavnagar (Bhavnagar State) Principal, Mr T K Shahani, M A
 Bahadur College, Junagadh State, Principal, Mr Charles Saldanha
 Sir Parashurambhai College, Principal, R D Karmarkar, Poona
 M T B Arts College, Surat, Principal, N M Shih
 D J Sind College, Karachi, Principal, S B Butani
 Sind National College, Hyderabad, Principal, B R Kumar
 Gokhale Education Society's H P T, Arts College, Nsik, Principal, T A Kulkarni
 Willingdon College, Kupwad (Singh), Principal, P M Limaye

Special Colleges—

- Grant Medical College, Bombay (Government), Dean, Major S L Bhatia, I M S
 College of Engineering, Poona (Government), Principal, Mr C Graham Smith, O B E
 Agricultural College, Poona (Government), Principal, Dr William Burns
 Chiefs' College, Rajkot, Principal, Mr A C Miller O B E
 College of Science, Ahmedabad
 Law College, Bombay, Principal Mr A A A Fyze, M A, (Cantab), Bar-at-Law
 College of Commerce, Bombay, Principal, Mr M J Antia (Offg)
 Veterinary College, Bombay, Principal, Mr V R Phadke, C B V C J P
 Haffkine Institute, Bombay, Director, Lt Col Shih Singh Sokhey, I M S, (Offg)
 Sir J & School of Art, Bombay (Government), Director, Mr W E G Solomon
 Victoria Technical Institute, Bombay, Principal, G W Burley, B Sc

Private Professional Colleges—

- Seth G S Medical College, Bombay, Principal, Dr V R Khanolkar

- N E D Civil Engineering College, Karachi Principal, Mr G W Gokhale
 Law College, Poona, Principal, Mr J R Gharpure
 Sir Lallubhai Shah Law College, Ahmedabad, Principal, Mr D S Sethi
 Sind Collegiate Board's Law College, Karachi, Principal, Mr C Lobo

Medical

The Medical Department is in the charge of the Surgeon-General who is a member of the I M S, and Public Health in that of the Director of Public Health, who is usually a non I M S Officer. Civil Surgeons stationed at each district headquarters are responsible for the medical work of the district whilst sanitations entrusted to one of the Assistant Directors of Public Health. Four large hospitals are maintained by the Government in Bombay, and the accommodation in them has been recently increased by 300 beds in one hospital and 180 beds in another hospital. A number of beds in the Bombay City had to be closed during 1931-32 owing to shortage of funds. Well equipped hospitals exist in all important up-country stations. Over 3,814,816 persons including 112,564 in-patients are treated during the year 1930. The Presidency contains 6 Lunatic Asylums and 16 institutions for the treatment of Lepers. Vaccination is carried out by a staff under the direction of the Director of Public Health. Sanitary work has received an immense stimulus from the large grants made by the Government from time to time.

Finance.

Under the Reform Scheme of 1919 Provincial Finance entered on a new phase. Before the passing of this Act Provincial finance was incorporated in Imperial Finance. The Provinces had certain heads of revenue of their own and other heads which they divided with the Government of India. By the new constitution a comparatively clean cut was made between the finances of the Government of India and those of the Provinces. Such revenues as they enjoy the Provinces enjoy in full, and in return they make cash contributions to the Government of India, fixed for a term of years. The general principle underlying this settlement is that those contributions shall gradually disappear. These contributions have now been remitted.

The financial situation in the Presidency has been one of the greatest difficulty during the year 1932-33. There has been estimated deficit of 27 lakhs during 1933-34. The difficulties have partly arisen on account of world factors over which Government has no control, but the latter is endeavouring to meet the situation by drastic economies and retrenchment. Government have set themselves that task of reconstruction and reorganisation so as to secure the greatest efficiency with the least cost in every branch of Public Administration of the Presidency. Government have already secured a very considerable achievement in realising 28 lakhs a year as a result of orders passed on the recommendations of the Reorganisation Committee. A proposal to raise extra taxation by imposition of a succession duty was rejected by the Legislative Council.

Estimated Revenue for 1933-34.

PRINCIPAL HEADS OF REVENUE		Rs.			Rs
V	Land Revenue . . .	4,82,42,000			
VI	Excise . . .	3,49,46,000			
VII	Stamps . . .	1,54,00,000	XXX	Civil Works . . .	40,13,000
VIII	Forests . . .	58,00,000	XXXI	Bombay Development Scheme . . .	23,65,000
IX	Registration . . .	11,50,000		Total ..	63,78,000
IXA	Scheduled Taxes . . .	23,32,000			
	Total	10,78,70,000			
<i>Irrigation, Navigation Embankment, &c</i>					
XIII	Works for which Capital Accounts are kept . . .	31,03,000	<i>Miscellaneous</i>		
XIV	Work for which no Capital Accounts are kept . . .	15,66,000	XXXII	Transfers from Famine Relief Fund . . .	12,70,000
	Total	46,69,000	XXXIII	Receipts in aid of Superannuation . . .	11,30,000
<i>Debt Service</i>					
XVI	Interest . . .	1,41,41,000	XXXIV	Stationery and Printing . . .	2,78,000
			XXXV	Miscellaneous . . .	11,51,000
				Total	38,47,000
<i>Civil Administration</i>					
XVII	Administration of Justice . . .	18,77,000	XL	Extraordinary Receipts . . .	24,16,000
XVIII	Jails and Convict Settlements . . .	3,49,000		Total Revenue ..	14,90,14,000
XIX	Police . . .	7,12,000	<i>Debt heads —</i>		
XXI	Education . . .	14,71,000	Deposits and advances		
XXII	Medical . . .	15,22,000	Loans and advances by provincial Government		
XXIII	Public Health . . .	18,09,000	Advances from provincial Loans Fund etc . . .		
XXIV	Agriculture . . .	3,96,000	Add —		
XXV	Industries . . .	12,000	Opening Balance . . .		
XXVI	Miscellaneous Departments . . .	15,14,000			
	Total . . .	96,62,000	Grand Total		

Estimated Expenditure for 1933-34

DIRECT DEMANDS ON THE REVENUE			Debt Service		
		Rs			Rs
5	Land Revenue	63,66,000	19	Interest on Ordinary Debt	2,17,98,000
6	Excise	49,36,000	20	Interest on other obligations	2,58,000
7	Stamps	2,49,000	21.	Reduction or avoidance of debt	4,65,000
8	Forest	37,12,000			
8A	Forest Capital outlay	1,24,000		Total	2,25,21,000
9	Registration	6,48,000			
9A	Scheduled Taxes	28,000			
	Total	1,60,63,000			
Irrigation, Embankment, &c, Revenue Account			Civil Administration		
14	Interest on works for which Capital Accounts are kept	86,17,000	22	General Administration	2,08,76,000
15	Other Revenue Expenditure financed from Ordinary Revenue	12,05,000	24	Administration of Justice	66,79,000
15	(1) Other Revenue Expenditure financed from famine Relief fund	11,78,000	25	Jails and Convict Settlements	22,04,000
	Total	1,10,00,000	26	Police	1,79,01,000
			27	Ports and Pilotage	7,000
			30	Scientific Departments	91,000
			31	Education	1,80,74,000
			32	Medical	48,06,000
			33	Public Health	25,52,000
			34	Agriculture	25,84,000
			35	Industries	3,60,000
			37	Miscellaneous Departments	4,98,000
				Total	7,66,37,000

Civil Works

	Rs
41. Civil Works ..	99,17,000
42. Bombay Development Scheme	3,65,000
Total	1,02,82,000
<i>Miscellaneous</i>	
45A Superannuation Allowances and Pensions	85,64,00
46 Stationery and Printing	13,10,00
47. Miscellaneous ..	11,41,000
Total	1,10,15,000
52 Extraordinary Charges	2 50 000
Expenditure in England	40,69,000
Total Expenditure charged to revenue	15,18,37,000

Capital Account not charged to Revenue

	Rs
53. Construction of Irrigation Works	1,89,94,000
56A Capital outlay on Public Health	82,000
60 Capital outlay for Civil Works (P W)	1,37,000
60B Payments of commuted value of Pensions	9,29,000
Debts, Deposits and Advances	1,16,81,000
Total Disbursement	18,33,75,000
Closing balance	39,97,000
Grand Total ..	18,73,72,000

Governor and President-in-Council.

Capt The Hon Michael Herbert Knatchbull, M C,
5th Baron Brabourne,

Personal Staff

Private Secy—H R Gould, CIL, ICS, J P

Mily Secretary—Major H C Vaux, CSI
CIE, MVO, J P

Surgeon—Major P A Opie, MB, R A M C

Aides de Camp—J G Maxwell Gumbleton, Esq
Indian Police, Lt M V Milbank, the Cold-
stream Guards, Lieut J H Alms, The Somers-
set Light Infantry, Lieut I D Elliot, Royal
Navy

Hon Aides de Camp—Engineer Captain W W
Collins, M I N A, R I M, H E Butler, Esq,
Dy Comr of Police, Bombay City, Meherban
Shankarrao Parashramrao Ramchandra alias
Appa Saheb Patwardhan, Chief of Jamk-
handi, Honorary Captain Meherban Malojiro
Mudhojiro alias Nana Saheb Nani Nimbalkar,
Chief of Phaltan, Hony Capt Kumar Shri
Naharsinghji of Barri, Sardar Ghulam Jilani
Bijlkhan of Wai, Hony Capt Shaukh Yasin,
Sardar Bahadur, I D S M, late 110th Mah-
aratta Light Infantry, Capt F W Brett,
Light Motor Petrol, Bombay Bn A F I

Commandant, H E the Governor's Bodyguard—
Captain T C Crichton, M C, Hon Lieut
3rd Cavalry

Indian Aide de Camp—Risaldar Hony Lt
Natha Singh, I D S M

Members of Council and Ministers

The Hon Sir Gulam Husain Hidayatallah,
KCSI, BA, LLB, J P, Finance and Reve-
nue, The Hon'ble Mr R D Bell, CIE, ICS,
J P, Home and General

The Hon Mr D B Cooper, (Local Self-Govt)
and The Hon Diwan Bahadur S T Kamblhi,
BA, LLB, J P, (Education)

The Local Self Government portfolio includes,
among other subjects, Medical Administration
Public Health, Sanitation, Forests, and Public
Works (transferred) The Minister of (Educa-
tion) also deals with the Civil Veterinary De-
partment, Excise, Co operative Societies and
Agriculture

SECRETARIES TO GOVERNMENT

Chief Secretary, Political and Reforms Depart-
ment—C W A Turner, CIL, ICS

Home and Ecclesiastical Department—R M
Maxwell, CSI, CIE, ICS, J P

Revenue Department—S H Covernton, MA,
ICS (Offg)

General and Educational Departments—H E.
Knight, ICS

Finance Department—C G Freke, ICS, J P

Legal Department and Remembrancer of Legal
Affairs—G Davis, Bar at-Law, ICS

Public Works Department—C M Lane, ISE,
J P

Public Works Department, Joint Secretary—
P L Bowers, CIE, MC

MISCELLANEOUS APPOINTMENTS.

Commissioner of Income Tax—Khan Bahadur
J B Vachha, CIE

Director of Veterinary Services—E S Farbrother,
MRS, C S, ICS

Advocate General—Sir Jamshedji Behramji
Kanga, Kt, MA, LLB.

Inspector-General of Police—E. E Turner
(Offg)

Director of Public Instruction—W. Grievie, MA,
BSC

THE BOMBAY LEGISLATIVE COUNCIL

The Hon Sir Ali Mahomed Khan Dehlvi, Kt, President

Mr Namdeo Eknath Navle, Deputy President

ELECTED MEMBERS

Name and class or Constituency	Name of Member.
Bombay City (North) (Non Muhammadan) Urban	Rao Bahadur R S Asavale Mr A N Surve Dr M D D Gilder
Bombay City (South) (Non-Muhammadan) Urban	Dr Joseph Alban D'Souza Dr J A Collaco Mr B P Wadke Mr Gover Rora
Karachi City (Non-Muhammadan) Urban	Mr Pestonsah N Vakil
Ahmedabad City (Non-Muhammadan) Urban	Sardar Davar Temuras Kasji Modi
Surat City (Non-Muhammadan) Urban	Mr Vishnu Ganesha Vaishnavampayan
Sholapur City (Non-Muhammadan) Urban	Mr Laxman Raghunath Gokhale
Poona City (Non Muhammadan) Urban	Mr Sahebsinhji Juvansinhji
Ahmedabad District (Non-Muhammadan) Rural	Mr Madhavsing Jorbhari
Broach District (Non Muhammadan) Rural	Rao Saheb Bhagwandas Girdhardas Desai
Kana District (Non Muhammadan) Rural	Mr Chaturbhai Narshibhai Patel
Panch Mahals District (Non-Muhammadan) Rural	Mr Manilal Harilal Mehta
Surat District (Non-Muhammadan) Rural	Dr M K Divil, L M & S
Thana and Bombay Suburban Districts (Non-Muhammadan) Rural	Mr Shankarrao Jayaramrao Zunzarrao
Ahmednagar District (Non Muhammadan) Rural	Mr Manchershaw Manekji Karbhari
East Khandesh District (Non-Muhammadan) Rural	Mr Namdev Eknath Navle
Nasik District (Non Muhammadan) Rural	Rao Bahadur Ganesh Krishna Chitale
Poona District (Non Muhammadan) Rural	Diwan Bahadur Dongarsing Ramji Patil
Satara District (Non Muhammadan) Rural	Rao Saheb Vaman Sampat Patil
Belgaum District (Non-Muhammadan) Rural	Mr Vithal Nathu Patil
Bijapur District (Non Muhammadan) Rural	Rao Bahadur Gopalrao Vaman Pradhan
Dharwar District (Non Muhammadan) Rural	Rao Saheb Ramchandra Vithalrao Vandekar
Kanara District (Non-Muhammadan) Rural	Mr Gangajirao Mukundrao Kalbhor
Ratnagiri District (Non-Muhammadan) Rural	Rao Saheb Pandurang Dnyaneshwar Kulkarni
Eastern Sind (Non-Muhammadan) Rural	The Hon Khan Bahadur Dhanjishah Bomanjee Cooper
Western Sind (Non-Muhammadan) Rural	Mr Atmaram Bhimaji Achrekar
Kollapur District (Non-Muhammadan) Rural	Mr Ramchandrarao Bapurao Shinde
Shoaba District (Non-Muhammadan) Rural	Rao Bahadur S N Angadi
West Khandesh District (Non-Muhammadan) Rural	Mr P R Chikodi
Bombay City (Muhammadan) Urban	Mr Shankarappa Basalingappa Desai
Karachi City (Muhammadan) Urban	Diwan Bahadur Siddappa Totappa Kambl
Ahmedabad and Surat Cities (Muhammadan) Urban	Mr Vishwanatharao Narayan Jog
Poona and Sholapur Cities (Muhammadan) Urban	Mr Ganapati Subrao Gangoli
	Rao Bahadur Laxman Vishnu Parulekar
	Mr Vyankat Anandray Surve
	Mr Dalumal Lilaram
	Mr Satramdas Sakhiwatrai Tolani
	Mr Jayawant Ghanashyam More
	Mr Narayan Nagoo Patil
	Mr Namdeorao Budhajarao
	Mr Husenali Mahomed Rahimtulla
	Mr Gulambussen Ibrahim Matcheswalla
	Mr Muhammad Baloch
	Mr Abdulrehman Khan Karam Khan Resaldar
	Khan Bahadur Abdul Latif Haji Hajrat Khan Pathan

Name and class of Constituency	Name of Member
The Northern Division (Muhammadan) Rural	Mr Alibhai Jashbai Patel Sir Ali Mahomed Khan Dehlvi Khan Bahadur Wali Baksha Adambhai Patel
The Central Division (Muhammadan) Rural	Moulvi Sir Rafiuddin Ahmed, Kt Mr Meherbaksh, Mr Shaikh Abdul Aziz Abdul Latif
The Southern Division (Muhammadan) Rural	Mr Abdul Kadir Jamaluddin Bangi Mr Haji Ibrahim Jitkar Mr Mahaboobul Khan Mahamad Akbarkhan Miradar-Nawab
Hyderabad District (Muhammadan) Rural	Mr Bandehalli Khan Mir Muhammad Hassan Khan Talpur Sayad Miran Muhammad Shah Zannabuddin Shah
Karachi District (Muhammadan) Rural	Mr Shaikh Abdul Majid Lillaram Mr Ghulam Hyder Shah Sahibuddin Shah
Larkana District (Muhammadan) Rural	Sir Shah Nawaz Khan Ghulam Murtaza Khan Bhutto. Khan Bahadur Muhammad Ayub Shah Muhammad Khuhro
Sukkur District (Muhammadan) Rural	Wadero Wahidbaksh Allahbaksh Bhutto Khan Bahadur Allahbaksh Khan Saheb Haji Mohomed Umar
Thar and Parkar (Muhammadan) Rural	Khan Bahadur Jan Mahomed Khan, son of Khan Saheb Shah Passand Khan
Nawabshah District (Muhammadan) Rural	Khan Bahadur Ghulam Nabbah Manjilshah Mr Janmahomed Khan Walimahomed Khan Bhurri Khan Bahadur Jam Jan Mahomed Walad Ma homed Sharif Junejo
Upper Sind Frontier District (Muhammadan) Rural	Khan Bahadur Sher Muhammad Khan Karam Khan Bijarani
Bombay City (European)	Mr T S Kennedy
Presidency (European)	Mr A C Owen
Deccan Sardars and Inamdars (Landholders)	Mr Hanmantrao Ramrao Desai
Gujarat Sardars and Inamdars (Landholders)	Sardar Bhasheb alias Dulabava Raisingji, Thakor of Kewada
Jagirdars and Zamindars (Sind) (Landholders)	Mr Sayed Muhammad Kamishah Qabul Muham- mad Shah
Bombay University (University)	Rao Bahadur Ravaji Ramchandra Kale
Bombay Chamber of Commerce and Industry	Mr W G Lely Mr J B Greaves
Bombay Chamber of Commerce, Commerce and Industry	
Karachi Chamber of Commerce and Industry	Mr John Humphrey, C B F
Bombay Trades' Association, Commerce and Industry	Mr A Greville Bullocke
Bombay Millowners' Association, Commerce and Industry	Mr Jehangir Bomanji Petit

NOMINATED
Non Officials

Mr S H Prater
The Rev R S Modak
Mr Sitaram Keshav Bole
,, Syed Munawar, B A
,, R R Bakhale
Dr B R Ambedkar, Bar at Law
,, Purshottam Solanki, L M & S
Major W Ellis Jones
Mr B S Kamat
Mr Mohamed Suleman Cassam Mitha
Nawab Shah Rookh Shah Yar Jung
Bahadur

Officials

Mr Salyid Aminuddin, ICS
,, N B Baxter
,, P L Bowers, CIE
,, J P Brander, ICS
,, C B B Clee, ICS
,, H J M Consens
,, G Davis ICS
,, J R Dhurandhar
,, C M Lane
,, R M Maxwell, CSI, CIE, ICS
,, K L Panjabi, ICS
,, W W Smart, ICS
,, C W A Turner, CSI, CIE, ICS

• The Madras Presidency.

The Madras Presidency occupies the whole southern portion of the Peninsula, and, excluding the Indian States, all of which have now come under the direct control of the Government of India, has an area of 142,260 square miles. It has on the east, on the Bay of Bengal, a coast line of about 1,250 miles, on the south on the Arabian Sea, a coast line of about 450 miles. In all this extent of coast, however, there is not a single natural harbour of any importance, the ports, with the exception of Madras, and perhaps of Cochin, are merely open roadsteads. A plateau, varying in height above sea-level from about 1,000 to about 3,000 feet and stretching northwards from the Nilgiri Hills, occupies the central area of the Presidency on either side are the Eastern and the Western Ghats, which meet in the Nilgiris. The height of the western mountain-chain has an important effect on the rain fall. Where the chain is high, the intercepted rain clouds give a heavy fall, which may amount to 150 inches on the seaward side, but comparatively little rain falls on the landward side of the range. Where the chain is low, rain clouds are not checked in their westward course. In the central table land on the east coast the rainfall is small and the heat in summer excessive. The rivers, which flow from west to east, in their earlier course drain rather than irrigate the country, but the deltas of the Godavari, Kistna and Cauvery are productive of fair crops even in time of drought and are the only portions of the east coast where agriculture is not dependent on a rainfall rarely exceeding 40 inches and apt to be untimely.

Population

The population of the Presidency was returned at the census of 1931 as 47,193,602, an increase of 10.4 per cent over the figure of 1921. The increase was not uniform. The districts which had suffered most in 1921 tended to show large increases in 1931—Bellary and Agencies were marked illustrations. As a natural corollary to an increase in population the Presidency density has risen. Hindus account for 88 per cent of the Madras population, Muhammadans 7 per cent and Christians 3.8 per cent. The actual number in other communities is inconsiderable. The vast majority of the population is of the Dravidian race and the principal Dravidian languages, Tamil and Telugu are spoken by 19 and 18 million persons respectively, 40 per cent of the population talk Tamil, 37.1 per cent Telugu, 7.9 per cent Malayalam, Oriya, Kannaurese, Hindustani, Lulu follow in that order with percentages above 1.

Government

The Madras Presidency is governed on the system generally similar to that obtaining in Bombay and Bengal. There are associated with the Governor four members of the Executive Council in charge of the Reserved Subjects and three Ministers in charge of the Trans-

ferred Subjects. Madras administration differs, however, in some important respects from that of other major provinces. There is no intermediate local authority between the Collector of the District and the authorities at headquarters, Commissioners of Divisions being unknown in Madras. Another feature peculiar to the Southern Presidency is the manner of choice of the ministers. Following the practice of the Mother of Parliaments, Madras Governors have, ever since the inception of the Reforms, called upon the leader of the dominant party to form a ministry, giving him freedom to select his colleagues on the ministry. Consequently he enjoys the status of Chief Minister—unknown in other provinces in India.

Agriculture and Industries

The principal occupation of the province is agriculture engaging about 68 per cent of the population. The principal food crops are rice, cholam, ragi and kambu. The industrial crops are cotton, sugarcane and groundnuts. The agricultural education is rapidly progressing in the Presidency. The activities of the Agricultural Department in matters educational consist in the running of a college at Coimbatore affiliated to the University of Madras, three farm labourers' schools, numerous demonstrations farms. As it was found that the present course of middle school education does not satisfy the needs of the ryots, the only school maintained by the department at Talipicembra was closed with effect from 1st April 1932. The institution of short practical courses in farm management and allied subjects in the Agricultural College at Coimbatore have been sanctioned. While paddy which is the staple food of the population, occupies the largest cultivable area, cotton and sugarcane are by no means inconsiderable crops of the province and are receiving close attention at the hands of the local agricultural authorities. The area under cotton irrigated and unirrigated is estimated at 1,949,664 acres and, as in the case of paddy, efforts are being made to produce better strains of cotton suited to different localities by means of both selection and hybridization. Side by side with an increase in the area under cotton, from existing good staple areas, improved varieties have been systematically introduced. A special feature of the agricultural activities in the Presidency is the large industry which the planting community have built up, contributing substantially to the economic development of the province. They have organised themselves as a registered body under the title of "The United Planters' Association of South India," on which are represented coffee, tea, rubber and a few other minor planting products. The aggregate value of seaborne trade of the Presidency which was Rs 878,306,466 in 1930-31 has declined to Rs 714,496,917 in 1931-32. As in other provinces, the forest resources are exploited by Government. There are close upon 10,000 square miles of reserved forests.

Vizagapatam Harbour Project

Even more pregnant with future possibilities is the scheme for the development of the Vizagapatam Harbour. The Vizagapatam Harbour is constructed under the control of the Government of India. Proposals for the development of the port at this place have been under consideration since 1859, but the success of the project is bound up with the construction of direct railway communication between Vizagapatam and the Central Provinces, for the quantity of trade which could be obtained from the littoral itself is insufficient to justify the capital expenditure which would be required. In May 1925 the Government of India declared Vizagapatam a major port thereby enabling the development of the port under the directions of the Central Government. Preliminary operations commenced at the end of the year and were continued vigorously in 1926 with the aid of dredgers and rock-breakers. It is expected that the construction of the harbour will take four or five years. The surrounding hill-sides and adjacent areas will meanwhile be developed for industrial trading and residential purposes.

Local Self Government.

Local bodies in the Madras Presidency are administered under the following Acts —

The Madras City Municipal Act, 1919,

The Madras District Municipalities Act, 1920, as amended by Madras Act X of 1930, and

The Madras Local Boards Act, 1920, as amended by the Madras Act XI of 1930.

The amending Acts of 1930, which came into force on the 26th August 1930, provide, *inter alia*, for the abolition of the system of nominations to local bodies, for the inclusion of village panchayats within the scope of the Madras Local Boards Act with a view to making the village the unit of local self government, for direct elections to district boards, for the creation of a municipal and local boards service for the Presidency of Madras, for the removal of the disqualification of women as such in respect of elections to municipal councils and for the cessation of office of the President or Chairman on a motion of non-confidence being passed against him by a prescribed majority. The Acts have undergone subsequent amendments. The question of abolition of Board is under the consideration of the Legislative Council.

Local bodies are now enabled under the Madras Local Authorities Entertainments Tax Act, 1926, to levy a tax on entertainments given within their jurisdiction.

Irrigation

In March 1925, the Secretary of State sanctioned the Cauvery Reservoir Project, the estimated cost of which amounted to about £44 millions. The project has been framed with two main objects in view. The first is to improve the existing fluctuating water supplies for the Cauvery Delta irrigation of over a million acres, the second is to extend irrigation to a

new area of 301,000 acres, which will, it is estimated, add 150,000 tons of rice to the food supply of the country. The scheme which is expected to be completed in 1934 provides for a large dam at Mettur on the Cauvery to store 93,500 million cubic feet of water and for a canal nearly 88 miles long with a connected distributary system. Owing to the necessity for providing adequate surplus arrangements to dispose of floods similar to the phenomenal floods of 1924 and to other causes the estimate had to be revised and the revised estimate stands at about £54 millions. Another important project is the Periyar project which is intended not only for irrigation purposes but also for providing water power for generating electricity. Taking its rise in the Western Ghats the river flows into the Arabian Sea through Travancore State territory. After prolonged negotiations, the Travancore Durbar consented to the water being caught and stored in the Travancore hills for being diverted towards the East. Some three thousand feet above sea-level a concrete and masonry dam has been constructed and nearly 50 feet below the crest-level of the dam a channel through the summit of the range carries the waters into the eastern watershed where they are led into the river Vayalar. The total quantity of water impounded to crest level is 15,660 million cubic feet. By this work, a river ordained by Nature to flow into the Arabian Sea has been led across the Peninsula into the Bay of Bengal irrigating in its way well over 100,000 acres of land. The irrigable area commanded by the Periyar system is 143,000 acres, while the supply from the lake was sufficient only for 130,000 acres. To make up for this deficit, a scheme for increasing the effective capacity of the lake by lowering the water-shed cutting is in progress. The area already under irrigation in the Madras Presidency total about 7.5 million acres. Of this over 3 million acres are served by petty irrigation works numbering about 36,000.

Electric Schemes

The first stage of the Pykara Hydro Electric project which was under construction by the Government of Madras has now been completed and is in operation from 1st April 1933. It consists in utilising a fall of over 3,000 ft in the Pykara river as it descends the Nilgiris Plateau for the generation of electrical energy and its transmission for supply to the neighbouring districts, viz., the Nilgiris, Coimbatore, Salem and Trichunopoly. The Glen Morgan scheme started in 1928 with the object of supplying power to the main construction works of the Pykara project has now been merged with it. In its present completed form the project consists of the main power house at Singara with an installed plant capacity of 33,000 B.H.P. and the transformer station, the receiving station at Coimbatore, 7 other substations, 49 miles of 66 K.V. line, 58 miles of 22 K.V. Tower line and 130 miles of 22 K.V. pole line. The booked cost upto 31st March 1933 against an original estimate of Rs 1,33,36,640 is Rs 1,07,13,580 and the revised estimates for 1933-34 include an expenditure of Rs 1,55,600. The revenue anticipated during 1933-34 is about Rs 4 lakhs against an estimated revenue of Rs 3,38,160. The following prices

receive supply from the Pykara Project at present —

The towns of Ootacamund, Coonoor, Mettupatti, Pollachi, Tiruppur, Anaimalai, and Palghat, besides the tea estates of Deverghola, Prospect, Parkside, Ibez and Nonsuch, Bhavan and Glendale in the Nilgiris District and Kallayar, Alkamalai, Karimalai, Vellamalai, and Pachimalais in the Anamalais.

The Government of Madras have also a proposal under consideration to start a Hydro Electric Scheme at Mettur about which they are awaiting a report from their Chief Engineer for Electricity.

Co operation

On account of the continued general economic depressions, overdues in Societies showed a further small increase during the year 1932-33. For mainly the same reason there was a large fall in the amount of loans discussed by Societies. The result was the accumulation of large amounts of surplus which in Central Banks amounted to more than a crore of rupees. With a view to reducing the surplus the Government have since directed that Central Banks should restrict their borrowings and return deposits made, if possible. The attention of the department was paid for the last few years more to the consolidation of existing societies than to the expansion of the movement. Only 107 societies were registered during the year as against 127,320 and 534 in the previous three years, whereas the number of societies whose registration was cancelled rose to 691 from 629 in the preceding year. Under the scheme of subvention to Central Banks for carrying on rectification and consolidation work, the Provincial Bank paid Rs 36,624 to 27 Central Banks which in their turn spent Rs 84,817 on the work. In the previous year a total sum of Rs 1,43,390 including the Provincial Banks' subvention was spent by the Central Banks for the purpose. The progress in rectification is however slow as complete rectification is aimed at. The South India Co operative Insurance Society started in March 1932 was able to do satisfactory work during the year. The Central Land Mortgage Bank which was started in 1929 for the purpose of financing primary land mortgage Bank by floating debentures has now been firmly established and was able to declare a profit of Rs 15,223 for the year.

Social Legislation

The Hindu Religious Endowments Act which has for its object the better administration and governance of certain Hindu religious endowments came into force early in 1925. It provides for the appropriation of the surplus funds of the endowments to religious, educational and charitable purposes not inconsistent with the objects of the institutions to which they are attached. The Act has been working satisfactorily. Doubts having been raised to the validity of the Act it was re enacted and passed into law as Act No II of 1927. The new Act came into force on 8th February 1927. Another piece of legislation—a non-official Bill—which has raised a heated controversy is the Malabar Tenancy Bill, which aims to confer, subject to certain conditions, occupancy rights on 'kanom' tenants and actual cultivators of the soil. As there was a sharp difference of opinion on the very principles of the Bill, the

Governor withheld his assent and a committee was appointed to go into the matter thoroughly and its findings were submitted and the same were published with a view to receive objections and suggestions. "The recommendations of the Committee were placed before a Round Table Conference consisting of the representatives of the Jemmes, Tenants and of the Government. The objections and suggestions made by the representatives at the Conference were carefully considered by the Government and the Government re-drafted the Bill and introduced it in the Council on 6th August 1929. The Bill was passed by the Council on 15th October 1929. His Excellency the Governor was of opinion that changes were expedient in respect of certain clauses of the Bill passed by the Council and accordingly returned parts of the Bill to the Legislative Council under Section 81-A (1) of the Government of India Act for reconsideration." The Bill was finally passed by the Legislative Council on the 1st March 1930, and received the assent of His Excellency the Governor on the 25th March 1930. The assent of His Excellency the Governor General was given on the 18th November 1930 and the Act came into force on the 1st December 1930. Noteworthy amongst other efforts at legislation for social reform was the non official resolution passed by the Council recommending to Government to undertake legislation or to recommend the Government of India to do so to put a stop to the practice of dedicating young women and girls to Hindu temples which has generally resulted in exposing them to immoral purposes under the pretext of caste. Mrs Muthulakshmi Reddi, Ex-Deputy President of the Legislative Council, introduced a bill in the Legislative Council on 5th September 1928 so as to enfranchise or free the lands held by inam holding Devadasis on condition of service in Hindu temples from such condition. The bill was passed into law on 1st February 1929. The Act received the assent of the Governor on 12th April 1929 and of the Governor-General on 13th May 1929. Rules have been framed to give effect to the provisions of the Act and the enfranchisement of Devadasi inams is now in progress. On 24th January 1930 Mrs Muthulakshmi Reddi introduced another bill in the Legislative Council with the object of putting an end to the dedication of young women and girls not only among inam-holding Devadasis but among Devadasis as a whole. The bill was discussed in the Council and circulated to elicit opinion. As in the meantime Mrs Muthulakshmi Reddi resigned her membership in the Council, the bill was not proceeded with. Subsequently, the Council also dissolved and the bill lapsed. A bill for the suppression of brothels and of traffic in women and girls was introduced in the Council by Mr K. R. Venkatarama Aiyar on 5th September 1928 and was passed into law on 31st January 1930. The Act received the assent of the Governor on 24th February 1930 and of the Governor-General on 28th March 1930. It could not however be brought into force immediately owing to certain practical difficulties. To obviate these difficulties, an amending Act was passed by the Legislative Council on 30th October 1931 and received the assent of the Governor on 3rd December 1931 and of the Governor General on 25th

December 1931 The amending act enables the Local Government to bring the Act into force in selected areas and to extend it gradually to other areas as circumstances permit and also to bring into force such of its provisions as may be practicable in any particular area. The Act, excepting sections 6, 7, 8 and 16, was accordingly brought into force in the City of Madras and its environs within a distance of ten miles from the limits of the City with effect from 1st April 1932 and in the Municipalities of Trichinopoly, Srirangam and Madurai and their environs within a distance of 5 miles from the limits of those Municipalities with effect from 1st January 1933. The Act except sections 5, 6, 7, 8 and 16 has also been brought into force with effect from 1st October 1933 in the Municipalities of Bezwada, Chelcut, Coconada, Rajahmundry, Tanjore, Vizagapatam, Coimbatore and Erode and their environs within a distance of 5 miles from the limits of the Municipalities. It was also resolved to ask Government to fix as their goal total prohibition of drink in the Presidency within 20 years. In pursuance of this resolution and of the recommendations of the Excise Advisory Committee thereon, Government in 1929 sanctioned a scheme of propaganda against the use of alcoholic liquors and intoxicating drinks. But owing to financial stringency, the work carried on by the Central propaganda Board Temperance Publicity Committee and the District Propaganda Committees had to be discontinued from August 1931. The Provisions of the Mussalman Wakf, Act, 1923 (India Act

XLII of 1923) were brought into force in this Presidency on 1st January 1932. This Act makes provision for the better management of Mussalman Wakf properties and for ensuring the maintenance and publication of proper accounts in respect of such properties.

Law and Order

The Superior Court for Civil and Criminal Judicial work in the Presidency is the High Court at Madras, which consists of a Chief Justice and thirteen puisne judges. The existing law provides for a maximum of 20 High Court Judges. For the administration of criminal justice there are 29 Sessions Judges in the Mufassal, (including three for agency tracts) Additional and Assistant Sessions Judges being provided to assist Courts in which the work is heavy. Then there are the District Magistrates, the Subordinate Magistrates and Honorary Magistrates. The administration of civil justice is carried on by 26 District Judges, and 41 Subordinate Judges and 145 District Munsiffs. In the Presidency Town there are a City Civil Court consisting of one Judge and Small Causes Court consisting of a Chief Judge and two other Judges. Madras is a litigious province and the records show one suit for every 72 persons. The Police department is under an Inspector-General who has four deputies in four ranges of the Presidency, a Superintendent being stationed at each District. The sanctioned strength of the permanent police force is about 28,200.

FINANCE DEPARTMENT

HEADS OF ACCOUNTS	Budget Estimates, 1933-34	HEADS OF ACCOUNTS	Budget Estimates 1933-34
REVENUE	Rs	EXPENDITURE	Rs
II—Taxes on Income		5—Land Revenue	19,51,400
V—Land Revenue	7,68,05,400	6—Excise	34,73,600
VI—Excise	4,48,85,800	7—Stamps	6,69,100
VII—Stamps	2,37,42,000	8—Forest	36,30,300
VIII—Forest	45,70,900	8A—Forest Capital outlay charged to Revenue	2,72,200
IX—Registration	34,12,600	9—Registration	29,14,700
XIII—Irrigation, Navigation Embankment and Drainage Works for which Capital Accounts are kept—Gross receipt	5,79,900	15—Irrigation—Other Revenue Expenditure Finance from Ordinary Revenues	45,34,000
XIV—Irrigation, Navigation Embankment and Drainage Works for which no Capital Accounts are kept	2,13,100	XIII—Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept—Working Expenses	44,71,100
XVI—Interest	32,56,800	16—Construction of Irrigation, Navigation, Embankment and Drainage Works	24,04,700
XVII—Administration of Justice	14,97,700	19—Interest on Ordinary Debt	73,37,000
		20—Interest on other Obligations	10,100
		21—Reduction or Avoidance of Debt	25,55,000

HEADS OF ACCOUNTS	Budget Estimates, 1933-34	HEADS OF ACCOUNTS	Budget Estimates, 1933-34
<i>REVENUE—contd</i>	<i>Rs</i>	<i>EXPENDITURE—contd</i>	<i>Rs</i>
XVIII—Jails and Convict Settlements	6,14,400	22—General Administration	2,78,19,700
XIX—Police	5,62,500	24—Administration of Justice	96,25,400
XX—Ports and Pilotage		25—Jails and Convict Settlements	25,00,200
XXI—Education	8,34,000	26—Police	1,64,64,000
XXII—Medical	8,20,500	27—Ports and Pilotage	15,900
XXIII—Public Health	1,57,500	30—Scientific Departments	1,86,700
XXIV—Agriculture	4,08,400	XXXA—Hydro Electric Schemes	
XXV—Industries	5,96,600	Working Expenses	5,53,000
XXVI—Miscellaneous Departments	49,29,300	31—Education	2,54,14,000
XXX—Civil Works	28,11,900	32—Medical	89,12,200
XXXA—Hydro Electric Schemes		33—Public Health	29,60,600
Receipts — Gross	4,00,000	34—Agriculture	38,98,700
XXXII—Transfers from Famine Relief Fund		35—Industries	15,86,800
XXXIII—Receipts in aid of Superannuation	2,72,000	37—Miscellaneous Departments	53,13,000
XXXIV—Stationery and Printing	3,21,000	41—Civil Works	1,77,79,000
XXXV—Miscellaneous	9,70,000	41B—Capital expenditure on Hydro Electric Schemes met from revenues	35,77,500
(a) Total—Revenue	17,26,71,300	43—Famine	3,00,000
RECEIPTS		45—Superannuation Allowances and Pensions	76,23,700
Revenue (from Statement A)	17,26,71,300	45A—Commuted value of pensions financed from ordinary Revenues	8,01,000
Excess of Revenue over Expenditure	4,08,300	46—Stationery and Printing	22,05,400
Loans and advances by Provincial Government	42,32,800	47—Miscellaneous	4,40,200
Advances from the Provincial Loans Fund, Government of India		Total—Expenditure Charged to Revenue	17,22,63,000
Suspense	41,04,200	DISBURSEMENTS	
Subventions from Central Road Development Account	13,50,000	Expenditure (from Statement B)	17,22,63,000
Civil Deposits	1,31,800	Excess of Expenditure over Revenue	
Depreciation Funds	1,64,000	52A—Capital outlay on Forests	
Famine Relief Fund	2,60,700	53—Construction of Irrigation, Navigation, Embankment and Drainage Works	36,41,800
Appropriations for Reduction or Avoidance of Debt	25,55,000	56C—Capital outlay on Industrial Development	1,58,200
Total—Receipts	18,54,69,800	58—Capital outlay on Hydro Electric Schemes	4,29,800
Opening { Famine Relief Fund	57,94,261	60—Civil Works— not charged to Revenue	
Balance { General Balances	3,34,02,462	60B—Payment of commuted value of Pensions	
Grand Total	22,46,60,523	Total	42,31,500
		Loans and Advances by Provincial Government	49,17,100
		Advances from Provincial Loans Fund, Government of India	25,55,000
		Suspense	41,04,200
		Subventions from Central Road Development Account	19,91,700
		Civil Deposits	1,32,600
		Depreciation Funds	97,400
		Famine Relief Fund	
		Total—Disbursements	19,02,92,500
		Closing { Famine Relief Fund	60,54,961
		Balance { General Balances	2,83,19,662
		Grand Total	22,46,60,523

Governor.

His Excellency Lt Col the Right Hon Sir George Frederick Stanley, P C, G C I E, C M G

Personal Staff

Private Secretary, A D Crombie, I C S

Military Secy, Lt Col S E L Baddeley

Surgeon, Major D P Johnstone, C I E, O B E, R A M C (Retd)

Aides de Camp, Capt Goschen, Capt T R D Batt, Capt R S Wright and Capt E F Gosling

Indian Aide-de-Camp, Risaldar Sher Bahadur Khan

Commandant, H E the Governor's Body Guard, Capt H C Mostyn Owen

Members of Council

The Hon Khan Bahadur Sir Mahomed Usman Sahib Bahadur, K C I E

The Hon Sir Kurma Venkata Reddi, Kt

The Hon Sir Archibald Campbell, K C I E, C S I, C B E, V D, I C S

The Hon Sir Hopetoun Stokes, K C I E, C S I, I C S

Ministers

The Hon the Raja of Bobbili (Local Self Government, Medical, Public Health, Religious and Charitable Endowments)

The Hon Mr P T Rajan, Agriculture Co operative Societies, Public Works and Registration)

The Hon Diwan Bahadur S Kumaraswami Reddiar (Education, Fisheries, Industries and Excise)

SECRETARIES TO GOVERNMENT

Chief Secretary, G T H Bracken, C I E, I C S

Secretary, Finance Department, L M Hood, I C S

Secretary, Local Self Government Department, E Conran Smith, C I I, I C S

Secretary, Public Works and Labour Departments, Diwan Bahadur N Gopalaswami Ayyangar

Secretary, Development Department, C A Henderson, I C S

Secretary, Revenue Department, J A Thorne, C I I, I C S

Secretary, Law and Education Department, Diwan Bahadur V N Vishwanath Rao

Additional Secretary, Public Department G T Long, C I I, I C S.

MISCELLANEOUS APPOINTMENTS

Director of Public Instruction, Robert George Grieve M A, (on leave) W Calram Smith M A (offg)

Inspector General of Police, C B Cunningham, C S I

Surgeon-General, Lt-Col R G G Croly, I M S

Director of Public Health, Lieut-Col A J H Russell, C B E, M A, M D, D P H, I M S (on other duty), Lieut-Col J R D Webb, O B F, I M S (Officiating)

Accountant-General, L B Ward

Inspector-General of Prisons, Lt-Colonel G W Macdonald, I M S

Postmaster-General, C D Rae, O B E.

Collector of Customs, C R Watkins, C I E

Commissioner of Excise, E F Thomas, C I F, I C S

Inspector-General of Registration, Rao Bahadur B V Sri Hari Rao Nayudu

Director, Kodaikanal and Madras Observatories, T Royds, D Sc, A L Narayan, M A, D Sc

Supdt, Govt Central Museum, and Principal Librarian, Connemara Public Library, Dr F H Gravely

Director of Agriculture, S V Ramamurti, I C S

Director of Industries, V Ramakrishna, I C S

Director of Fisheries, Dr B Sundara Raj

Chief Conservator of Forests — A Wimbush, I F S

Director of Veterinary Services, P T Saunders, O B E, M A C V S, J V S

Presidents and Governors of Fort St George in Madras.

William Gyfford	1684
Ellhu Yale	1687
Nathaniel Higginson	1692
Thomas Pitt	1698
Gulston Addison ..	1709

Died at Madras 17 Oct, 1709

Edmund Montague (Acting)	. 1707
William Fraser (Acting)	. 1704
Edward Harrison	. 1719
Joseph Collet	1716
Francis Hastings (Acting)	.. 1720

Nathaniel Elwick	.	.	1721	Stephen Rumbold Lushington	.	.	181
James Macrae	.	..	1725	Lieut -General Sir Frederick Adam, K C B	.	.	181
George Morton Pitt			1730	George Edward Russell (<i>Acting</i>)			185
Richard Benyon			1735	Lord Elphinstone, G C H , P C			183
Nicholas Morse	.		1744	Lieut -General the Marquess of Tweed-			184
John Hinde	.	.		dale, K T , C B			
Charles Floyer	.	.	1747	Henry Dickinson (<i>Acting</i>)	.	.	184
Thomas Saunders	.	.	1750	Major-General the Right Hon Sir			184
George Pigot	.	.	1755	Henry Pottinger, Bart , G C B			
Robert Falk	.	.	1763	Daniel Elliott (<i>Acting</i>)	..		185
Charles Bouchier			1767	Lord Harris	.	.	185
Josias DuPre	.	.	1770	Sir Charles Edward Trevelyan, K C B	.	.	185
Alexander Wynch	.	.	1773	William Ambrose Morehead (<i>Acting</i>)			186
Lord Pigot (Suspended)	.	.	1775	Sr Henry George Ward, G C M G			186
George Stratton	.	..	1776	Died at Madras, 2 August, 1860			
John Whitehill (<i>Acting</i>)	.	.	1777	William Ambrose Morehead (<i>Acting</i>)	..		186
Sir Thomas Rumbold, Bart.	..		1778	Sir William Thomas Denison, K C B	..		186
John Whitehill (<i>Acting</i>)	..	..	1780	(<i>Acting</i> Viceroy and Governor-General			
Charles Smith (<i>Acting</i>)	.	..	1780	1863 to 1864)			
Lord Macartney, K B	..	.	1781	Edward Maltby (<i>Acting</i>)	.	..	186
				Lord Napier of Merchistoun, Kt (a)	.	.	186
				(<i>Acting</i> Viceroy and Governor General,			
				1872)			

Governors of Madras.

Lord Macartney, K B.	.	.	..	1785	Alexander John Arbuthnot, K C S I , C I E	187
Alexander Davidson (<i>Acting</i>)	.			1785	(<i>Acting</i>)	
Major-General Sir Archibald Campbell, K B				1786	Lord Hobart	187
John Hollond (<i>Acting</i>)	.			1789	Died at Madras, 27 April, 1875	
Edward J Hollond (<i>Acting</i>)				1790	Sir William Rose Robinson, K C S I	187
Major-General William Medows				1790	(<i>Acting</i>)	
Sir Charles Oakeley, Bart				1792	The Duke of Buckingham and Chandos,	187
Lord Hobart				1794	G C S I , C I E	
Major-General George Harris (<i>Acting</i>)	.			1798	The Right Hon W P Adam, P C , C I E	188
Lord Clive				1799	Died at Ootacamund, 24 May, 1881	
Lord William Cavendish Bentinck				1803	William Hudleston, C S I (<i>Acting</i>)	188
William Petrie (<i>Acting</i>)				1807	The Right Hon M E Grant Duff, G C S I ,	188
Sir George Hilary Barlow, Bart , K B				1807	C I F	
Lieut -General the Hon John Aber-				1813	The Right Hon Robert Bourke, P C	188
cromby					Lord Connemara, 12 May, 1887 (by	
The Right Hon Hugh Elliot	.			1814	creation,)	
Major-General Sir Thomas Munro, Bart ,				1820	John Henry Garstin, C S I (<i>Acting</i>)	.. 189
K C B Died 6 July, 1827					Baron Wenlock, G C S I , G C I E , K C B	189
Henry Sullivan Græme (<i>Acting</i>)	.			1827	Sir Arthur Ellibank Havelock, G C M G	189
					Baron Amptill, G C S I , G C I E , K C B	190
					(<i>Acting</i> Viceroy and Governor-General,	
					1904	

Sir James Thomson, K C S I (Acting)	1901	Sir Alexander Cardew, K C S I (Acting)	1919
Sir Gabriel Stokes, K C S I (Acting)	1906	Sir Charles Todhunter, K C S I (Acting)	1924
Hon Sir Arthur Lawley, G C S I, G C I F, K C M G	1906	Lord Goschen, P C, G C S I, G C I F, C B E (Acting Viceroy and Governor-General 1929)	1924
Sir Thomas David Gibson-Carmichael, Bart, G C S I, G C I E, K C M G (b)	1911	Sir Norman Macdonald, K C S I, K C I E (Acting)	1929
Became Governor of Bengal, 1 April	1911	Lieut - Col the Right Hon'ble Sir George Frederick Stanley, P C, G C I E, C M G	1929
Sir Murray Hammick, K C S I, C I E (Acting)	1911	(a) Afterwards (by creation) Baron Napier of Ettrick	
Right Hon Baron Pentland, P C, G C S I, G C I E	1912	(b) Afterwards (by creation) Baron Carmichael of Skirling	
Baron Willingdon G C S I, G C M G, G C I E, G B E (c)	1918	(c) Afterwards Earl of Willingdon	

THE MADRAS LEGISLATIVE COUNCIL.

PRESIDENT

The Hon Mr B Ramachandra Reddi

DEPUTY PRESIDENT

Rao Bahadur G Jagannadha Raju

I—MEMBERS OF THE EXECUTIVE COUNCIL

Ex-Officio

The Hon Khan Bahadur Sir Mohamed Usman Sahib Bahadur, K C I F	The Hon Sir Aitchison Campbell, K C I F, C B E, V D, I C S
The Hon Sir Venkata Kurma Reddi, Kt	The Hon Mr H G Stokes, C S I, C I L I C S

II—ELECTED MEMBERS

(a) Ministers

The Hon The Raja of Bobbili	The Hon Diwan Bahadur S Kumaraswami Reddyar
The Hon Mr P T Rajan	

(b) Elected Members

Abdul Hameed Khan Sahib Bahadur	Lieut -Colonel Sri Raja Velugoti Sir Govinda Krishna Yachendru Varu Bahadur, K C I L, Maharaja of Venkatagiri
Moulvi Hafeez Anumathakudi Mustapha	Mahboob Ali Bug Sahib Bahadur
Ahmed Meeran Sahib Bahadur	Khan Bahadur Mahmud Schammad Sahib Bahadur
Rao Sahib A S Alagannan Chetti	M A Manikavelu Nayakar
S A A Annamalai Chettyar.	Diwan Bahadur B Muniswami Nayudu
H B Ari Gowder	K M Duraiswami Reddyar
Diwan Bahadur A Appadurai Pillai	Diwan Bahadur S Ellappa Chettyar
Basheer Ahmed Sayeed Sahib Bahadur	Diwan Bahadur M Gopalaswami Mudaliyar
P Bappa Reddi	A Harischandrudu Nayudu
S M K Bevanani Sahib Bahadur	C Indiraiah
Frank Birley	Rao Sahib C Jayaram Nayudu
J A Davis, M B E	K Kesava Ramamurthi Nayudu
Raja Velugoti Sarvagya Kumarakrishna	Khan Bahadur P Khalif-ul-Jah Sahib Bahadur
Yachendra Bahadur Varu Kumara, Raja of Venkatagiri	Rao Sahib C Kolanda Reddi
J Kuppuswami Choudari	G Lakshmana Reddi
W W Ladden	
R Madanagopal Nayudu	

ELECTED MEMBERS—(contd.)

K Kott Reddi	G. Ranganatha Mudaliyar
W K M Ungley	M D J Pananatha Mudaliyar
Khan Bahadur I M Moldoo Sahib Bahadur	M P Pananatha Mudaliyar
P C Moses	Dewan Bahadur C S Patnayakappa
K P V S Muhammad Meeru Ravuttu Bahadur	Mudaliyar
Dewan Bahadur A M M Murugappa Chettivar	Samudra Venkatacharya Chetti
M A Muthiah Chettivar	P V Krishnaiah Chettiar
Rao Bahadur P C Muthu Chettivar	B P Siva Reddi
K A Nachiyappa Gounder	A B Shetty
A P N V Nadimuthu Pillai	G. S. Subrahmaniam Gounder
Rao Bahadur N Nallatambi Sirlairai Minradivar	K Suman Ayyar
T Natesa Reddi	K S Subrahmanya Ayyar
Rao Sahib D V Narasimhaswami	M S Subbiah
V P Narayanan Nambiar	J C Srinivas Ayyar
Rao Bahadur T M Narayanaswami Pillai	Dr P Subbarayan
Rao Bahadur C Natesa Mudaliyar	I C Subrahmanya Chetti
R M Palat	T Sundara Rao Nayudu
Rao Bahadur A T Pannirselvam	Khan Sahib, Saad Tajuddin Sahib Bahadur
C R Parthasarathi Ayyangar	Thomas Daniel
Srinan M G Patnaik Mahasaya	M Vedichala Mudaliyar
Rao Bahadur Sir A P Patro, Kt	K R Venkatarama Ayyar
K Pittabhiramayya	P Reddi Raju
B Pocker Sahib Bahadur	Rao Bahadur I K Venkopal Nayudu
Raja Sri Ramachandra Marda Raja Deo Garu, Raja of Kullikote	Khan Bahadur Sahib Ali Sahib Bahadur
Sri Sri Sri Krishna Chandra Gajapathi Narayana Deo, Raja of Parlakumdi	Yakub Hasan Sahib Bahadur
P K Ramachandra Padavathi	T V K Rama Raja Pandita Nayak
A Ramakrishna Reddi	Zamindar of Bodhinayakanur
Rao Bahadur F A Ramalingam Chettivar	Shri V. V. Venkateswara Gajapati R
K P Ramani Menon	Zamindar of Chennu
I S Ramaswami Ayyar	Raja Raja Veera Rama Kumara Venkata
V M Ramaswami Mudaliyar	wara Jettappa Nayak Ayyar, Zamindar of Ittappuram
A Ranganatha Mudaliyar	K C M Venkatachala Reddiyar, Zamindar of Minampalli
	Mirzapuram Rajaguru alias Venkatar
	Amma Rao Bahadur Garu, Zamindar of Mirzapuram
	W O Wright

NOMINATED MEMBERS

Mrs K Alamelumanga Thayarammal	Subadar Major S A Nanjappa Bahadur
V T Arasu	G R Premaayya
C Basu Dev	P V Rajagopala Pillai
A V Bhanoji Rao	Rao Sahib Pandit Ganala Ramamurti
M Davidason	Rao Sahib N Siva Raj
Rao Sahib V Dharmalingam Pillai	I Couran Smith, ICS
R Foulkes	W P A Soundara Pandian
H M Hood, ICS	Rao Bahadur R Srinivasan
H M Jagannatham	G Srinivasulu
Rao Bahadur D Krishnamurthi	Rao Sahib P Subrahmaniam Chetti
C Krishnan	A S Swami Sahajanandham
Dewan Bahadur Sir Alladi Krishnaswami Ayyar, Kt	T A Thorne, ICS
Madhusoodhanan Thangai	V G Vasudeva Pillai
Rao Sahib V I Muniswami Pillai	Rao Bahadur V N Viswanatha R
Dewan Bahadur N Gopalaswami Ayyangar	Zamindar of Kirlampudi

SPECIAL MEMBERS

Dewan Bahadur M Ramachandra Rao	W Lrlum Smith, I A, IFS
J F Hall, ICS	K V Krishnaswami Ayyar

Rs 11 93 lakhs. Most of the unmanufactured tobacco came from the United States of America, and the cigarettes and pipe tobacco from the United Kingdom.

The total quantity of mineral oils imported during the year declined from 123 178 179 gallons valued at Rs 7,19 22 lakhs in 1931-32 to 105,752,161 gallons at Rs 5 62 05 lakhs. Of this total decrease of 17,726,018 gallons, kerosene alone was responsible for 13 491,558 gallons. Imports of petrol also declined by 14 million gallons and fuel oil by over a million gallons. Imports from Burma remained constant. The share of the United States of America fell most.

The motor vehicles trade continued its downward course. The number of vehicles imported during the year was motor cars 1,618, motor cycles 202, motor omnibuses 4 and lorries 187 as against 1,783, 285 and 439 respectively in the previous year. The total value of all kinds dropped from Rs 66 49 lakhs to Rs 54 80 lakhs. Imports of tyres and tubes also showed a similar decline both in value and quantity. Most of the motor cars and motor cycles came from the United Kingdom whose share in the trade improved considerably at the expense of the United States of America.

During the year under report there was some improvement in the imports of drugs, medicines and chemicals, and also in those of glassware and earthenware, the value of the former rising from Rs 1 62 75 lakhs to Rs 1 67 13 lakhs, and that of the latter from Rs 11 12 lakhs to Rs 42 56 lakhs.

Imports of machinery and millwork improved in value from Rs 3 11 lakhs to Rs 3 81 lakhs. The progress of the indigenous sugar industry is reflected in the large increase in the import of sugar machinery, which was valued at Rs 1,31 5 lakhs compared with Rs 27 6 lakhs in 1931-32. Imports of tea machinery also improved from Rs 5 9 lakhs to Rs 11 9 lakhs. About 72 per cent of the total imports were of British manufacture, the balance supplied by Germany, the United States of America and Belgium.

The total quantity of iron and steel goods imported during the year rose from 102 035 tons to 102,833 tons but the value dropped from Rs 178 00 lakhs to Rs 163 58 lakhs. This improvement was due to larger imports of non-protected goods of iron manufacture. The figures for protected and non-protected goods were 55 295 tons valued at Rs 86 82 lakhs, and 47,538 tons valued at Rs 76 76 lakhs respectively. Metals and ores other than iron and steel recorded the highest quantity imported since 1927-28, viz., 519,847 tons but their value was just about the lowest figures recorded since that year viz Rs 140 43 lakhs as against Rs 98 62 lakhs in 1931-32. The United Kingdom had, as usual, the biggest share in this trade.

Imports of paper improved from 526,097 cwt. valued at Rs 62 36 to 601,943 cwt. valued at Rs 68 36 lakhs. The trade in pasteboard,

etc., also improved considerably the quantity rising from 69,689 cwt. to 129 97, cwt. and the value from Rs 6 80 lakhs to Rs 12 18 lakhs. The imports of wood pulp however, declined from 101 996 cwt. valued at Rs 12 71 lakhs to 28 181 cwt. at Rs 19 75 lakhs.

The total value of the cotton goods imported during the year recorded an improvement of Rs 189 23 lakhs over the preceding years' figure of Rs 252 32 lakhs. The values of the more important kinds of cotton goods were twists and yarns Rs 1 10 64 lakhs, piece goods Rs 534 68 lakhs and other cotton fabric Rs 57 21 lakhs as against the preceding year's figures of Rs 84 66 lakhs, Rs 386 70 lakhs and Rs 51 96 lakhs respectively. In quantity twist and yarn showed a distinct improvement the figure being 16 018 061 lbs. the highest on record since 1927-28. Piece goods also improved from 223 156 171 lbs. to 351 191 567 lbs. Of this total quantity of piece goods 198 161 127 lbs. were grey, 60 028,421 lbs. white and 92 702 507 lbs. coloured, printed or dyed. China was the chief supplier of twist and yarn with Japan and the United Kingdom coming next to her in order. Japan was the chief supplier of every variety of cotton piece goods except grey bordered chutnies which came chiefly from the United Kingdom.

During the year under report silk and artificial silk of the total value of Rs 50 05 lakhs were imported as against Rs 48 09 lakhs in the year 1931-32. This figure included Rs 9 10 lakhs on account of pure silk goods, Rs 6 31 lakhs under mixed silk and Rs 35 64 lakhs under artificial silk. In all these varieties Japan was the principal supplier. The United Kingdom came next to Japan in her supply of artificial silk.

The aggregate value of the woollen goods imported during the year under report rose from Rs 30 15 lakhs to Rs 46 75 lakhs. The improvement was shared by all the principal items under this head. The figures for the year were: hanks 7 199 lbs. valued at Rs 16 lakhs, carpets, rugs and blankets 1,719 306 lbs. valued at Rs 12 49 lakhs, hosiery 118,845 lbs. valued at Rs 2 40 lakhs, yarn and knitting wool 229 940 lbs. valued at Rs 4 71 lakhs, piece goods 2 182 518 yds. valued at Rs 23 60 lakhs, and shawls 70,514 pieces valued at Rs 2 45 lakhs. Fifty per cent of the woollen goods was supplied by Italy, the United Kingdom supplying one next with twenty-five per cent of the total imports.

Of the articles of minor importance, the articles to show improvement in imports, were non-mineral oils from Rs 44 62 lakhs to Rs 63 30 lakhs, hardware by Rs 10 lakhs, also points, jewellery and precious stones, cycles, dining and camping materials, building and engineering materials and toilet requisites. The trade in instruments, apparatus and appliances remained steady, but Japan increased her share of electrical goods by Rs 6 lakhs at the expense of the European countries. Imports of stationery, wood and timber and soap also maintained their level of last year. The articles showing heavy fall in the imports were provisions and

oilman's stores, spices, for which betelnuts from the Straits Settlements were mainly responsible, grain, pulse and flour, railway carriages, and arms and ammunition, which dropped from Rs 17 13 lakhs to Rs 9 66 lakhs. There were also slight decreases in the imports of rubber, trunks, boots and shoes, books, apparel and umbrellas. The value of unspecified articles imported by post fell by Rs 14 62 lakhs to Rs 65 63 lakhs.

Exports—The total quantity of grains, pulses and flour exported during the year under report fell below the preceding year's figure of 150,849 tons by 526 tons only, but the value dropped from Rs 190 24 lakhs to Rs 162 27 lakhs. This decline was attributed to the fall in the exports of rice from 123,178 tons valued at Rs 157 87 lakhs to 120,794 tons valued at Rs 131 18 lakhs, and wheat flour from 2,222 tons valued at Rs 2 59 lakhs to 950 tons valued at Rs 1 32 lakhs. Exports of pulse, though increased in quantity from 24,285 tons to 25,664 tons, dropped in value from Rs 28 87 lakhs to Rs 27 83 lakhs. The export of cereals, other than rice, rose both in value and quantity, namely, from 1,164 tons valued Rs 91 lakhs in 1931-32 to 1,915 tons valued at Rs 1 94 lakhs. Mauritius was again the biggest purchaser of rice.

Although the exports of tea rose in quantity from 294,294,196 lbs to 323,824,706 lbs, the value, due to a fall in prices on account of over production, dropped from Rs 1549 80 lakhs to Rs 1253 26 lakhs. The demand from the United Kingdom rose from 170,176,247 lbs to 190,000,374 lbs. Canada from 14,090,187 lbs to 16,676,087 lbs and the United States of America from 9,608,653 lbs to 10,915,598 lbs. Imperial preference was an important factor in the improved trade registered with Canada, but the expected response from Australia did not materialise, shipments being the lowest recorded for many years past.

The total quantity of coal exported during the year dropped from 541,943 tons to 451,564 tons and the value from Rs 51 47 lakhs to Rs 43 68 lakhs. The exports of lac also showed considerable decline, the total quantity (both manufactured and unmanufactured) falling from 456,572 tons to 415,588 tons, and the total value from Rs 182 68 lakhs to Rs 123 81 lakhs. The United Kingdom, the United States of America, Germany and Japan were again the chief customers of Bengal lac, but their purchases were considerably below those of the previous year.

The hides and skins trade of Bengal continued on the decline. The total quantity exported during the year under report was 15,417 tons and the value received amounted to Rs 196 95 lakhs against 19,368 tons and Rs 240 45 lakhs respectively in the previous year. The decline was mainly attributed to the fall in the exports of raw hides from 10,710 tons valued at Rs 63 77 lakhs to 8,349 tons valued at Rs 43 09 lakhs, and raw skins from 8,544 tons valued at Rs 169 48 lakhs to 6,911 tons valued at Rs 143 53 lakhs. Trade in cuttings of raw hides and skins, however, improved from 43

tons to 50 tons but the value dropped from Rs 06 lakhs to Rs 0, lakhs. The exports of dressed hides and skins also showed a rise from 71 tons valued at Rs 7 14 lakhs to 107 tons valued at Rs 10 30 lakhs. Germany was again the chief customer of raw hides, with Italy following next. The United States of America and the United Kingdom were the best customers for raw skins.

Considerable decline was also recorded in the exports of metals and ores, the figures for the year being 483,094 tons valued at Rs 150 04 lakhs, as against 610,870 tons valued at Rs 200 92 lakhs in 1931-32. This decline was due to less exports of the two principal items under this head, viz, manganese ore, and iron and steel, the former dropped from 149,348 tons valued at Rs 42 93 lakhs to 137,224 tons valued at Rs 37 29 lakhs, and the latter from 451,289 tons valued at Rs 148 72 lakhs to 329,775 tons valued at Rs 110 02 lakhs. The quantity of pig iron exported during the year was 218,374 tons valued at Rs 74 30 lakhs as against 350,858 tons valued at Rs 122 70 lakhs in 1931-32. The United Kingdom was again the best purchaser of metals and ores but her share of the manganese trade came down from 46,967 tons valued at Rs 14 22 lakhs in 1931-32 to 37,402 tons valued at Rs 10 28 lakhs. In manganese ore, Japan's trade expanded from 5,979 tons to 30,598 tons. France also increased her demand for manganese from 31,902 tons to 36,921 tons.

There was a further setback in the trade in mica, the total quantity exported during the year was 34,354 cwt. valued at Rs 26 03 lakhs, as against 46,108 cwt. valued at Rs 31 77 lakhs in 1931-32. Of the total quantity exported during the year under report black mica amounted to 6,467 cwt. valued at Rs 13 58 lakhs and mica splittings 27,887 cwt. valued at Rs 12 45 lakhs. The major part of the decline was shared by the United Kingdom and the United States of America, whose purchases shrank from 18,410 cwt. valued at Rs 14 93 lakhs and 12,678 cwt. valued at Rs 7 32 lakhs in 1931-32 to 13,131 cwt. valued at Rs 12 58 lakhs and 7,881 cwt. valued at Rs 4 40 lakhs, respectively. Germany's share in the trade, however, rose from 3,301 cwt. valued at Rs 1 40 lakhs to 5,281 cwt. valued at Rs 2 41 lakhs. Japan's share also improved slightly, from 4,053 cwt. valued at Rs 2 06 lakhs to 4,268 cwt. valued at Rs 2 84 lakhs.

The exports of oilseeds, vegetable oils, and oilcakes declined in value from Rs 161 19 lakhs in the previous year to Rs 107 80 lakhs. The total quantity of oilseeds exported during the year was 50,794 tons, valued at Rs 57 79 lakhs as against 87,428 tons valued at Rs 107 40 lakhs in 1931-32. Of this total quantity, oilseeds alone formed 47,159 tons valued at Rs 52 24 lakhs, castor seeds 3,317 tons valued at Rs 4 52 lakhs as against 10,391 tons valued at Rs 13 00 lakhs, tea seeds, 52 tons valued at Rs 65 lakhs as against 609 tons valued at Rs 7 36 lakhs, and other seeds 236 tons valued at Rs 38 lakhs, as against 848 tons valued at Rs 1 36 lakhs. Vegetable oils of the aggregate quantity of 382 832 gallons valued at Rs. 5 91

How many of the following are in the
 lakh. The number of the following are
 dropped from the total to be the
 Export of goods and services for
 decline of the total due to the
 quantity of goods and services
 ment. Export of goods and services
 consumption of goods and services
 Supply of goods and services
 -the and goods and services
 of which expected to be the
 lakh to the total

Trade of Chittagong.—There is still only one report of her ships to be noted. The total value of cargo into the port for the country during the year was Rs. 2,01 lakhs to Rs. 72.10 lakhs. Imports of Rs. 1,100 lakhs from America and Rs. 270 lakhs to Rs. 180 lakhs from India and of coal maintained their importance but partially all other useful particular values of ships and places wrought on cotton etc. cotton goods and railway, etc., and saw timber showed substantial decrease. About 75 per cent of the imports came from the United Kingdom.

Export from China to the United States of America of silk from 1950 to 1951 was 1,800,000 lbs. Although the quantity of silk increased in quantity from 75 million lbs. to nearly 90 million lbs. but the price paid for it was lower than the price paid for it in 1950. The price of silk was 18.147 ton and of per cent of the total value was 18.147 ton. Appraised by 94 percent of the total value with the United States.

Consoling Trade The total value of the trade of Calcutta with other Indian ports British as well as non British was Rs. 27,77,000 lakhs as compared with Rs. 27,97,77 lakhs in 1911-12. The value of the total imports was Rs. 17,27,62 lakh and that of exports Rs. 10,49,38 lakh in 1911-12 and Rs. 10,56,82 lakh in 1912-13.

Imports of such place goods from Bombay increased from Rs. 40 lakhs to Rs. 490 lakhs. Imports of wheat flour and salt from Karachi improved. Imports of raw cotton and manufactured tobacco from Madras improved considerably but those of cotton goods, ground nuts and coconut declined. There was also considerable falling off in the imports of rice, mineral oils and timber from Burma. Imports from non-British Indian ports improved from Rs. 19.14 lakhs to Rs. 69.28 lakhs.

The decline in the exports to Bombay was due to smaller shipments of jute manufactures paper and tea. There was improvement in the exports of gunny bags copper and iron. Madras purchased larger quantities of rice and non but took less coal paper and gunny bags. Exports to Burma were affected by smaller demands for gunny bags oil, spices and tobacco. Exports to non British Indian ports improved considerably from Rs 18 06 lakhs to Rs 36 83 lakhs.

Administration

The present form of administration in Bengal dates from January 1921. In 1912 the Government of the Province underwent an important change, when, in accordance with the Proclamation of His Majesty the King-Emperor at Delhi, the Province was raised from the status of a Lieutenant-Governor to that of a Governor-in-Council, thus bringing it into line with the Presidencies of Madras and Bombay. In 1921, under the Reform Scheme, the Local Government was reconstituted, certain of the departments being placed under the control of Ministers appointed from among elected members of the Legislative Council. There are normally four members of the Executive Council who are in charge of the "reserved subjects", and three Ministers, who are in charge of the "transferred subjects."

Bengal is administered by five Commissioners, the divisions being those of the Presidency Burdwan, Rayshahi, Dacca and Chittagong. The unit of administration is the District Magistrate and Collector. As Collector he supervises the ingathering of the revenue and is the head of all the Departments connected with it, while as District Magistrate he is responsible for the administration of criminal justice in the district. The immediate superior of the District Magistrate is the Divisional Commissioner. Commissioners are the channels of communication between the local officers and the Government. In certain revenue matters they are, in their turn, subject to the Board of Revenue in Calcutta, in other matters they are under the direct control of Government.

Justice

The administration of justice is entrusted to the High Court of Calcutta which consists of the Chief Justice who is a Barrister and 15 Puisne Judges including one additional judge who is a Barrister, Civilian or Vakils. Below the High Court are the District and Additional Judges, the Small Causes Court and Subordinate Judges and Munsifs. Of these officers, the District and Additional Judges and a certain number of Subordinate Judges are also endowed with the powers of a Criminal Court while the remainder have jurisdiction in Civil matters only. Criminal Justice is administered by the High Court, the Courts of Session and the Courts of the various classes of Magistrates. On its appellate side, the High Court disposes of appeals from the order of a Court of Session, and it also confirms, modifies or annuls sentences of death passed by Sessions Courts. Calcutta has six Stipendiary Presidency Magistrates including one temporary Additional Magistrate in charge of the Traffic Court. One of the Presidency Magistrates is in charge of the Children's Court, is helped by Hon'ble Women Magistrates. It has also two Municipal Magistrates and it possesses a Court of Small Causes with Judges who dispose of cases of the class that are usually heard in County Courts in England.

In addition a number of Union Benches and Courts have been established in selected rural areas for the disposal by honorary agency of petty criminal cases and civil disputes.

Local Self-Government

By Bengal Act III of 1884, and its subsequent amendments, which hitherto regulated municipal bodies in the interior, the powers of Commissioner of municipalities were increased and the elective franchise was extended. Bengal Act III of 1884 was repealed by Act XV of 1932 by which material changes have been introduced, e.g., the franchise of the electors have been further widened, women have been enfranchised, the proportion of elected commissioners has been increased and the term of office of the Commissioner has been extended from three to four years. Municipal expenditure now comprises a large number of objects, including veterinary institutions, employment of health officers, vaccinators and sanitary inspectors, the training and employment of female medical practitioners, the provision of model dwelling houses for the working classes, the holding of industrial sanitary and health exhibitions and the improvement of breed of cattle. The Commissioners also have large powers in regard to the water supply and the regulation of buildings.

The Municipal Government of Calcutta is governed by Act III of 1923. Thus Act, which replaces Act III of 1899, makes the Corporation paramount in matters relating to municipal administration. The Act provides for the appointment of a Mayor, who replaces the chairman of the old Act, a Deputy Mayor, and Executive Officer, and Deputy Executive officers, all elected by the Corporation. The appointment of the Chief Executive Officer is subject to the approval of Government. The total number of councillors, after the enactment of the Calcutta Municipal (Second Amendment) Act 1932, is 91 with 5 Aldermen elected by the Councillors. Of the 91 seats, 81 are elected, of which 21 are reserved for Muhammadans. Ten of the councillors are nominated by Government and the rest elected by the general or special constituencies. In order to improve the sanitary and congested areas of the city, the Calcutta Improvement Trust has been created with extensive powers. In the mofussil, district and local boards exercise considerable powers, with regard to public works, education and medical relief.

Bengal Act V of 1919 introduces the new system of self government by the creation of village authorities vested with the powers and duties necessary for the management of village affairs and entrusted with powers of self-taxation. The new village authority, called the union board, replaces gradually the old *chaudhari* panchayats and the union committees and deals with the village police, village roads, water supply, sanitation, primary schools and dispensaries. The Act also empowers Government to create out of the members of the union boards, village benches and courts for the trial of petty criminal and civil cases arising within the union. The Act has been extended to all districts in the Presidency except Midnapore and up to March 1933 over 4,701 Union Boards were actually constituted.

Public Works

The Public Works Department consists of Public Works and Railway Departments and is under the charge of Secretary to Government in the Department of Agriculture and Industries.

The Public Works Department deals with questions regarding the construction of public buildings and roads

The Railway Department deals with questions regarding acquisition of lands required by the several Railways, the alignment of new lines of Railways, and with Tramway projects

There is a Chief Engineer who is the principal professional adviser of Government

Marine

The Marine Department deals with questions connected with the administration of the port of Calcutta and inland navigation, including the control and administration of Government launches except the police launches, and the Government Dockyard, Narayanganj

Irrigation

The Irrigation Department deals with irrigation, navigation, flood protection by means of embankments and drainage, the latter including relief from congestion of drainage by regulating the available supplies of water to suit the requirements of agriculture combined with the supply of water for irrigation in cases in which a supply is available

Police

The Bengal Police force comprises the Military Police, the District Police, the Railway Police, and the River Police. The Bengal Police are under the control of the Inspector General of Police, the present Inspector General being a member of the Imperial Police Service. Under him are Deputy Inspectors General for the Dacca Range, the Rajshahi range, the Presidency range, the Burdwan range and the Bakerganj range and also one Deputy Inspector General in charge of the C.I.D. and the Intelligence Branch. Each district is in charge of a Superintendent, and some of the more important districts have one or more Additional Superintendents. The Railway Police is divided into three distinct charges, each under a Superintendent. The River Police is also under a Superintendent. The cadre comprises Assistant Superintendents, Deputy Superintendents, Inspectors, Sub Inspectors, Sergeants, Assistant Sub Inspectors, head constables and constables. There is also a Village Police, composed of diaddars and chowkidars, who receive a monthly salary which is collected from the villages or unions by the Panchayat or Union Board. There is a training college and school at Sardah in the district of Rajshahi where newly appointed officers and men of the Bengal Police learn their duties. The Calcutta City Police is a separate force maintained by Government under a Commissioner who is responsible direct to Government. The Commissioner has under him Deputy Commissioners, Assistant Commissioners, Inspectors, Sub Inspectors, Sergeants, Assistant Sub Inspectors, head constables and constables. A school for the training of recruits for the Calcutta Police force has been established at Calcutta. The annual cost of the Police is over 277 lakhs.

The head of the Medical Department is the Surgeon General with the Government of Bengal. In the districts the Civil Surgeons are responsible for medical work. There are 44 hospitals and dis-

pensaries in Calcutta, 11 of which are supported by the Government and 801,150 persons were treated at these institutions of whom 55,063 were in-patients. In the Mofussil districts there are 1,178 hospitals and dispensaries, the number of patients treated in them as well as in several huts, fairs, melas, subsidised and temporary dispensaries and in various medical centres was 9,100,431. This includes 82,847 in patients.

Education

In the Presidency of Bengal education is imparted partly through Government agency and partly through private bodies, assisted to some extent by Government grants. In old Government maintains four Arts Colleges in Calcutta (of which one is a college for women, one is for Mahomedans and one the Sanskrit College), one at Hughli, one at Kishinagar, three, including the Islamic Inter College, at Dacca, one at Rajshahi and one at Chittagong. It also maintains two training colleges, one at Calcutta and one at Dacca, for teachers who teach in secondary schools through the medium of English, and 5 normal schools, one in each division, for the training of teachers in secondary schools who teach through the medium of the vernacular, also an engineering college at Sibpur and an engineering school at Dacca, two medical colleges, a veterinary college, a school of art and a commercial school in Calcutta, and a weaving school at Serampore. It also provides at the headquarters of all districts, except Burdwan and Midnapore, and also at certain other mofussil centres, English high schools for the education of boys, while to some Government Arts Colleges high schools are attached. In Calcutta there are five Government high schools for boys, two of which are attached to the Presidency College and one to the Sanskrit College. Government high schools for girls exist only in the headquarters stations of Calcutta, Dacca, Mymensingh, Comilla and Chittagong. The other secondary schools, with the exception of a few middle schools managed either by Government or by municipal and district boards, are under private control. The administration of primary education in all areas, which are not under municipalities, rests with the district boards, grants being given from provincial revenues to the boards, which contribute only slightly from their own funds. Only in backward localities are such schools either entirely managed, or directly aided, by Government. Apart from the institutions referred to above, 80 institutions called Guru Training Schools are maintained by the Department for the training of primary school teachers. For the education of Mahomedans, there are senior Madrasahs at Calcutta, Dacca, Chittagong, Hughli and Rajshahi which are managed by Government. There are also certain Government institutions for technical and industrial education. All institutions for technical and industrial education (except B. E. College, the Ahsanullah School of Engineering, Dacca, the Government Commercial Institute and the Government School of Art, Calcutta) are now under the control of the Director of Industries. A large proportion of educational work of every grade is under the control of various missionary bodies, which are assisted by Government grants in aid.

The municipalities are required to expend a certain proportion of their ordinary income on education. They are mainly responsible for primary education within their jurisdiction, but schools in these areas are eligible also for grants from Government. These bodies maintain a high school at Burdwan, a high school at Santipur, a high school at Kushtia and a high school at Chittagong.

In 1931-32 there were in the Presidency —

RECOGNISED INSTITUTIONS FOR MALES

	Institutions	Scholars
Universities	2	1,857
Arts Colleges	45	20,359
Professional Colleges	15	5,040
High Schools	1,122	269,309
Middle Schools	1,864	161,599
Primary Schools	44,643	1,725,385
Special Schools	2,818	119,103

RECOGNISED INSTITUTIONS FOR FEMALES

	Institutions	Scholars
Arts Colleges	6	508
Professional Colleges	3	53
High Schools	64	16,285
Middle Schools	71	8,882
Primary Schools	18,076	466,745
Special Schools	44	2,162

UNRECOGNISED SCHOOLS

Males	1,243	54,327
Females	311	11,377

The Department is administered by a Director of Public Instruction, assisted by an Assistant Director, a special officer appointed temporarily, an Assistant Director for Muhammadan Education and a Director of Physical Education. Each division is in charge of a Divisional Inspector assisted by a certain

number of Additional or Second Inspector and Assistant Inspectors for Mohammedan Education according to the requirements of the several divisions. Similarly the administrative charge of the primary education of each district is in the hands of a District Inspector assisted by Sub-Divisional Inspectors and Sub-Inspectors of Schools, the latter class of officers being in some instances helped by officers of humbler status called Assistant Sub-Inspectors and Inspecting Pandits and Maulvis. High education is controlled by the Universities of Calcutta and Dacca established in 1857 and 1921, respectively administered by the Chancellor (the Governor of Bengal), the Vice Chancellor (appointed by Government) and a number of ex-officio, elected and nominated fellows. The University of Calcutta maintains a Law College, called University Law College Calcutta. Dacca University also has a Law Department attached to it. Calcutta University is mainly an examining body, but it has now made itself responsible for advanced teaching for which purpose it employs an agency which is mainly distinct from the staffs of the affiliated Colleges.

The percentage of scholars to the total populations —

	Recognised Schools	All Schools
Males	8.46	8.66
Females	2.46	2.52
Total	5.58	5.71

The University at Dacca is of the residential type. There is a Board for Secondary and Intermediate Education at Dacca. It conducts the Matriculation and Intermediate Examinations for the students of Institutions at Dacca and also the Islamic Matriculations and Intermediate Examinations.

The Education of Europeans is mainly conducted by private agency, assisted by Government grants. Government however maintain a special Inspector, and also a school for boys, a school for girls (both residential) at Kurseong, and attached to the latter a Training College (for women only).

THE FINANCES OF BENGAL.

Estimated Revenue for 1933-34

Heads of Revenue	The figures are in Thousands of Rs	
	Sanctioned Estimate 1932-33	Sanctioned Estimate 1933-34
	Rs	Rs
Salt	6,00	5,50
Land Revenue	3,15,69	3,12,38
Licence	1,68,00	1,39,00
Stamps	2,95,00	2,85,50
Forest	18,00	15,50
Registration	20,25	19,00

Estimated Revenue for 1933-34—contd

Heads of Revenue	The figures are in Thousands of Rs	
	Sanctioned Estimate 1932-33	Sanctioned Estimate 1933-34
	Rs	Rs
Scheduled Taxes	14,00	11,80
Subsidised Companies	92	30
Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept	—5,06	—1,86

THE FINANCES OF BENGAL—contd

Estimated Revenue for 1933-34—contd

The figures are in Thousands of Rs

Heads of Revenue	Sanctioned	
	Estimate	Estimate
	1932-33	1933-34
	Rs	Rs
Irrigation, Navigation, Embankment and Drainage Works for which no Capital Accounts are kept	2,36	1,70
Interest	171	131
Administration of Justice	10,00	13,01
Jails and Convict Settlements	7,65	7,00
Police	11,54	10,93
Ports and Pilotage	73	91
Education	13,74	13,52
Medical	10,87	10,25
Public Health	1,45	1,38
Agriculture	6,71	6,21
Industries	7,05	8,03
Miscellaneous Departments	3,10	13,56
Civil Works	22,50	14,18
Transfer from Famine Relief Funds	71	56
Receipts in aid of Superannuation	1,36	1,28
Stationery and Printing	4,88	5,25
Miscellaneous	9,44	9,14
Miscellaneous Adjustments between Central and Provincial Governments		

Estimated Receipts for 1933-34—contd

The figures are in Thousands of Rs

Head of Receipts	Sanctioned	
	Estimate	Estimate
	1932-33	1933-34
	Rs	Rs
Extraordinary receipts	1,16	1,09
Receipt in England	1	1
Total Revenue Receipts	9,62,84	9,41,57
Famine Relief Fund	69	57
Deposit Account		
Imperial Council of Agricultural Research	12	49
Depreciation Fund for Government properties	1,15	1,00
Advances from Provincial Loans Fund	1,58	22,55
Government of India	1,59,54	2,01,66
Appropriation for Reduction or Avoidance of Debt	9,18	9,70
Subvention from Central Road Development Account	6,50	1,170
Suspense	6,10	5,30
Recoveries of loans and advances by the Government of Bengal	10,84	15,92
Total Receipts on Capital Account	2,10,42	2,78,47
Total	11,63,26	11,90,00
Less Opening balance	21,18	12,78
Grand Total	11,84,74	12,02,78

ESTIMATED EXPENDITURE FOR 1933-34

The figures are in Thousands of Rs

Heads of Revenue	Sanctioned	
	Estimate	Estimate
	1932-33	1933-34
	Rs	Rs
Land Revenue	41,25	40,23
Excise	17,80	17,77
Stamps	5,38	4,82
Forest	16,13	15,84
Forest capital outlay charged to Revenue	1,20	48
Registration	18,90	18,32
Scheduled taxes	15	5

The figures are in Thousands of Rs

Heads of Revenue	Sanctioned	
	Estimate	Estimate
	1932-33	1933-34
	Rs	Rs
Interest on works for which capital accounts are kept	18,24	18,81
Irrigation—Other Revenue expenditure financed from ordinary revenues	11,37	14,68
Irrigation—Other Revenue expenditure financed from Famine Relief Grants		
Construction of Irrigation, Navigation, Embankment and Drainage works		—1

ESTIMATED EXPENDITURE FOR 1933-34—contd

The figures are in Thousands of Rs

Heads of Revenue	Sanctioned Estimate 1932-33	Sanctioned Estimate 1933-34
	Rs	Rs
Interest on ordinary debt	5,76	11,04
Interest on other obligations	1	3
Reduction or Avoidance of Debt	9,18	9,30
General Administration	1,18,83	1,22,49
Administration of Justice	97,35	98,14
Jails and Convict Settlements	50,51	50,01
Police	2,20,85	2,27,37
Ports and Pilotage	4,85	4,78
Scientific Departments	29	30
Education { Reserved	12,71	12,54
{ Transferred	1,16,46	1,15,75
Medical	51,88	50,71
Public Health	39,84	39,77
Agriculture	24,80	24,83
Industries	11,38	12,05
Miscellaneous Departments	2,12	2,01
Civil Works	85,56	81,35
Famine Relief	1,30	56
Superannuation Allowances and Pensions	49,40	53,60
Commutation of pensions financed from ordinary revenues	8,00	9
Stationery and Printing	21,17	20,52
Miscellaneous	11,61	21,29
Expenditure in England	37,77	41,20
Total expenditure from ordinary revenue	11,12,20	11,30,63

The figures are in Thousands of Rs

Heads of Revenue	Sanctioned Estimate 1932-33	Sanctioned Estimate 1933-34
	Rs	Rs
Forest capital outlay not charged to Revenue—		
In England		
Construction of { In India	14,71	13,24
Irrigation, Navigation, Embankment and Drainage works not charged to Revenue		
Civil works { In England	16	20
not charged to Revenue { In India	2,41	1,80
Committed value of pension (not charged to revenue)		6,50
Famine Relief Fund	71	56
Deposit Account—Imperial Council of Agricultural Research	68	49
Depreciation Fund for Government presses	21	1,41
Repayments to the Government of India of Advances from Provincial Loans Fund	9,18	9,30
Subvention from Central Road Development Account	15,98	8,64
Suspense	6,15	5,20
Loans and Advances by the Government of Bengal	10,35	12,02
Total expenditure on Capital account	60,54	59,36
Total expenditure	11,72,74	11,89,99
Closing balance in Famine Relief Fund	12,00	12,79
Other closing balances		
Total closing balance	12,00	12,79
GRAND TOTAL	11,84,74	12,02,78

Administration

GOVERNOR AND PRESIDENT IN COUNCIL
His Excellency The Right Hon Sir John Anderson, P C, G C B, G C I E

PERSONAL STAFF,
Private Secretary, J D Tyson, C B E, I C S
Military Secretary, Colonel R B Butler, C B E, M C

Honorary Physicians—Lt Col J D Sandes, I M S, Civil Surgeon of Dujeeing
Aide de Camp, Capt L H Methuen, O B E, M C,
The Argyle and Sutherland Highlanders
Lieut A P Sykes, The King's Royal Rifle Corps
Lieut D W H Worrall, The Somerset Light Infantry

Honorary Aide de Camp—
Sardar Bahadur S W Lad Su La, C B E
Lieut-Col A H Bishop, M C V D, Commanding The Calcutta Presidency Battalion
Lieut Col J A Polewhele, V D, Commanding Northern Bengal Mounted Rifles
Captain L W R T Turbott, O B E, R I M, Principal Officer, Mercantile Marine Dept
Lieut-Col W R Elliot, M C, Commanding the Calcutta Scottish
Indian Aide-de-Camp, Risaldar Ishar Singh Hudson's Horse
Honorary Indian Aide de Camp, Honorary Lieut Gobordhan Gurung, Subedar Major, Late of 2-10th Gurkha Rifles
Commandant, H E The Governor's Body Guard—Captain T M Lunham, Poona Horse 17th Queen Victoria's Own Cavalry

ADMINISTRATION—contd

MEMBERS OF COUNCIL

The Hon Sir Charu C Ghosh, Kt
 The Hon Alhadj Sir Abdelkerim Ghuznavi, Kt
 The Hon Mr R N Reid, CSI, CIF, ICS
 The Hon Mr J A Woodhead, CIF, ICS

MINISTERS

The Hon Mr Khwaja Nazimuddin, CII (Education)
 The Hon Nawab Kazi Ghulam Mohiuddin Farouki, Khan Bahadur (Public Works and Industries)
 The Hon Mr Bijoy Prasad Singh Roy

(LOCAL SELF-GOVERNMENT)

BENGAL LEGISLATIVE COUNCIL

The Hon Raja Sir Manmatha Nath Ray Chaudhuri, Kt, of Santosh (President)
 Mr Razur Rahman Khan, B I (Deputy President)

SECRETARIAT

Chief Secretary to Government, G P Hogg, CIF, ICS
 Secretary, Revenue Department, O M Martin, ICS
 Secretary, Finance, Commerce and Marine Departments, D Gladding, ICS
 Secretary, Legislative Department, G G Hooper, ICS
 Secretary, Agriculture and Industries, J D V Hodge, ICS
 Secretary, L S G Dept, G S Dutt, ICS
 Secretary, Judicial Department, N G A Edgley, ICS
 Secretary, Education Department, H R Wilkinson, CIE, ICS

MISCELLANEOUS APPOINTMENTS

Member, Board of Revenue—F A Sachse, CIE, ICS
 Director of Public Instruction, J M Boltomby, MA, IES
 Inspector General of Police, T J A Craig
 Commissioner, Calcutta Police, L H Colson
 Surgeon General, Col D P Gail, IMS
 Collector of Customs, Calcutta, G N Bower, BA
 Commissioner of Excise and Salt, S K Haldar, ICS
 Accountant General, J C Nixon, ICS, CIE
 Inspector General of Prisons, Lt Col R E Flowerdew, IMS
 Postmaster General, M L Pasricha, CIE
 Inspector General of Registration, Khan Bahadur Shamsuddin Ahmad, BL
 Director of Agriculture, G P Heeter, MA, DSCI

Protector of Immigrants, Lt Col Arthur Denham White, IMS, MD

Superintendent, Royal Botanic Garden, Calcutta, C C Calder

Labour Commissioner, R A Gilchrist, MA, ICS

Curator of Herbarium, Royal Botanic Gardens, Kullprada Bhawan

LIEUTENANT GOVERNORS OF BENGAL

Frederick J Halliday	1854
John P Grant	1859
Cecil Beaton	1862
William Grey	1867
George Campbell	1871
Sir Richard Temple Burt, KCSI	1874
The Hon Ashley Eden, CSI	1877
Sir Stuart C Buxley, KCSI (Offg)	1879
A River Thompson, CSI, CII	1882
H A Cockerell, CSI (Officiating)	1885
Sir Stuart C Buxley, KCSI, CII	1887
Sir Charles Alfred Elliott, KCSI	1890
Sir A P MacDonnell, KCSI (Offg)	1893
Sir Alexander Mackenzie, KCSI Retired 6th April 1898	1895
Charles Cecil Stevens, CSI (Offg)	1897
Sir John Woodburn, KCSI Died, 21st November 1902	1898
J A Bourdillon, CSI (Officiating)	1902
Sir A H Leith Fraser, KCSI	1903
Lancelot Hare, CSI, CII (Offg)	1906
F A Slacke (Officiating)	1906
Sir L N Baker, KCSI Retired 21st September 1911	1908
F W Duke, CSI (Officiating)	1911

The Office of Lieutenant-Governor of Bengal was abolished on April 1st, 1912, when Bengal was raised to a Governorship

GOVERNORS OF THE PRESIDENCY OF BENGAL

The Rt Hon Baron Carmichael of Skirling, GCIE, KCMG	1912
The Rt Hon Earl of Ronaldshay, GCIE	1917
The Rt Hon Lord Lytton	1922
The Rt Hon Sir Stanley Jackson, PC, GCIE	1927
The Rt Hon Sir John Anderson, PC, GCB, GCIE	1932

BENGAL LEGISLATIVE COUNCIL.

The Hon'ble Raja Sir Manmatha Nath Ray Chaudhuri, Kt, of Santosh, *President*

Razul Rahman Khan, B L, *Deputy President*

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" " Alhadj Sir Abdelkerim Ghuznavi, Kt

" " Mr J A Woodhead, C I E, I C S

" " Mr R N Reid, C I E, I C S

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Mr W H Nelson

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Mr N G A Edgley

Mr H P V Townend

Mr L R Fawcus

Mr H C V Philpot

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Mr B R Sen

Mr R N Gulchrist

Mr S N Roy, C I E (No 1)

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Nominated Non Officials—

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Rai Sahib Rebat Mohan Sarkar

K C Ray Chaudhuri

Maulvi Latafat Hussain

D J Cohen

Khan Bahadur Maulvi Hafizar Rahman Chaudhuri

P N Guha

Mukunda Behary Mullick

Elected Members

Name of Members	Name of Constituency
Babu Jatindra Nath Basu	Calcutta North (Non-Muhammadan)
Mr S M Bose, Bar-at-Law	Calcutta East (Non-Muhammadan)
Seth Hunuman Prasad Poddar	Calcutta West (Non Muhammadan)
Rai Dr Haridhan Dutt Bahadur	Calcutta Central (Non-Muhammadan)
Sir Hari Sankar Paul	Calcutta South Central (Non-Muhammadan)
Dr Sir Nilratan Sircar, Kt, M D	Calcutta South (Non-Muhammadan)
Munindra Deb, Rai Mahasai	Hooghly Municipal (Non-Muhammadan)
Dr Amulya Ratan Ghose	Howrah Municipal (Non-Muhammadan)
Babu Satyendra Nath Roy	24-Parganas Municipal, North (Non-Muhammadan)
Rai Jogesh Chandra Sen Bahadur	24-Parganas Municipal, South (Non-Muhammadan)
Babu Prafulla Kumar Guha	Dacca City (Non-Muhammadan)
Mr Sauleswar Singh Roy	Burdwan North (Non-Muhammadan)
Babu Jitendralal Bannerjee	Birbhum (Non-Muhammadan)
Mr J N Gupta, C I E, M B E	Bankura West (Non Muhammadan)
Babu Satya Kinkar Sahana	Bankura East (Non-Muhammadan)
Babu Hoseni Rout	Midnapore North (Non-Muhammadan)
Mr R Maiti, Bar at-Law	Midnapore South (Non-Muhammadan)
Rai Sahib Sarat Chandra Mukhopadhaya	Midnapore South-East (Non-Muhammadan)
Rai Satish Chandra Mukharji Bahadur	Hooghly Rural (Non-Muhammadan)
Babu Haribansa Roy	Howrah Rural (Non-Muhammadan)
Babu Sarat Chandra Mittra	24-Parganas Rural Central (Non-Muhammadan)
Mr P Banerji	24-Parganas Rural South (Non-Muhammadan)
Rai Debendra Nath Ballabh Bahadur	24-Parganas Rural North (Non-Muhammadan)

Name of Members	Name of Constituency
Mr Narendrakumar Basu	Nadwa (Non-Muhammadan)
Sriyut Taj Bahadur Singh	Murshidabad (Non-Muhammadan)
Babu Amulyadhan Roy	Jessore South (Non-Muhammadan)
Babu Jitendra Nath Roy	Jessore North (Non-Muhammadan)
Babu Suk Lal Nag	Khulna (Non-Muhammadan)
Rai Keshab Chandra Banarji Bahadur	Dacca Rural (Non-Muhammadan)
Dr Naresh Chandra Sen Gupta	Mymensingh West (Non-Muhammadan)
Babu Satish Chandra Ray Chowdhuri, B L	Mymensingh East (Non-Muhammadan)
Rai Sahib Akshoy Kumar Sen	Faridpur North (Non-Muhammadan)
Mr Sarat Chandra Bal	Faridpur South (Non-Muhammadan)
Mr B C Chatterjee, Barrister at-Law	Bakarganj North (Non-Muhammadan)
Babu Lalit Kumar Bal	Bakarganj South (Non-Muhammadan)
Rai Kamini Kumar Das Bahadur, M B E	Chittagong (Non-Muhammadan)
Babu Khetter Mohan Ray	Tippera (Non-Muhammadan)
Babu Hem Chandra Roy Choudhuri	Noakhali (Non-Muhammadan)
Babu Kishori Mohan Choudhuri	Rajshahi (Non-Muhammadan)
Vacant	Dinajpur (Non-Muhammadan)
Rai Sahib Panchanan Barmu, M B E	Rangpur West (Non-Muhammadan)
Babu Nagendra Narayan Ray, B L	Rangpur East (Non-Muhammadan)
Dr Jogendra Chandra Choudhuri	Bogra cum Pabna (Non-Muhammadan)
Mr Shanti Shekhareswar Roy	Malda (Non-Muhammadan)
Mr Prosanna Deb Raikat	Talpaiguri (Non-Muhammadan)
Mr A Raheem, C I F	Calcutta North (Muhammadan)
Mr H S Suhrawardy, M A (Oxon and Cal)	Calcutta South (Muhammadan)
B SC, B C L (Oxon), Barrister at Law	Hoggly cum Howrah Municipal (Muhammadan)
Maulvi Shaik Rahim Baksh	Barrackpore Municipal (Muhammadan)
Maulvi Muhammad Solaiman	24-Parganas Municipal (Muhammadan)
Maulvi Muhammad Sadatullah	Dacca City (Muhammadan)
Nawabzada Khwaja Muhammad Afzul, Khan Bahadur	Burdwan Division North (Muhammadan)
Maulvi Abul Kasem	Burdwan Division South (Muhammadan)
Maulvi Abdul Karim	24-Parganas Rural (Muhammadan)
Mr A F M Abdur Rahman	Nadia (Muhammadan)
Khan Bahadur Maulvi Azizul Haque	Murshidabad (Muhammadan)
Maulvi Abdus Samad	Jessore North (Muhammadan)
Maulvi Syed Majid Baksh	Jessore South (Muhammadan)
Maulvi Syed Nausher Ali	Khulna (Muhammadan)
Maulvi Abdul Quasim, M A, B L	Dacca West Rural (Muhammadan)
Maulvi Abdul Ghani Chowdhury, B L	Mymensingh North-West (Muhammadan)
Maulvi Azizur Rahman	Mymensingh South West (Muhammadan)
Maulvi Nur Rahman Khan Eusufi	Mymensingh East (Muhammadan)
Maulvi Abdul Hamid Shah	Mymensingh Central (Muhammadan)
Maulvi Abdul Hakim	Faridpur North (Muhammadan)
Khan Bahadur Maulvi Alimuzzaman Choudhuri	Faridpur South (Muhammadan)
Maulvi Tamizuddin Khan	Bakarganj North (Muhammadan)
Maulvi Muhammad Hossain	Bakarganj West (Muhammadan)
Mr A K Fazl ul Huq	

Name of Members	Name of Constituency
Maulvi Nural Absar Choudhury	Chittagong North (Muhammadan)
Haji Badr Ahmed Choudhury	Chittagong South (Muhammadan)
Maulvi Syed Osman Haidar Choudhury	Tippera North (Muhammadan)
Khan Bahadur Muhammad Abdul Momun	Noakhali East (Muhammadan)
Maulvi Muhammad Fazlullah	Noakhali West (Muhammadan)
Maulvi Mohammed Basiruddin	Rajshahi North (Muhammadan)
Haji Lali Mohammed	Rajshahi South (Muhammadan)
Maulvi Hassan Ali	Dinajpur (Muhammadan)
Mr A F Rahman	Rangpur West (Muhammadan)
Kazi Emdadul Hoque	Rangpur East (Muhammadan)
Mr. Altaf Ali	Bogra (Muhammadan)
Khan Sahib Maulvi Murzzam Ali Khan	Pabna (Muhammadan)
Nawab Musharruf Hosain, Khan Bahadur	Mirda cum Jalpaiguri (Muhammadan)
Mr C G Ashworth	Presidency and Burdwan (European)
„ W L Armstrong	Do
„ A R E Lockhart	Do
„ J W R, Steven	Dacca and Chittagong (European)
„ R H Ferguson	Rajshahi (European)
„ L T Maguire	Anglo Indian
„ E T McCluskie	Do
Raja Bhupendra Narayan Sinha Bahadur, of Mashipur	Burdwan Landholders
Mr Sarat Kumar Roy	Presidency Landholders
Mr Arun Chandra Singha	Chittagong Landholders.
Kumar Shub Shekhareswar Ray	Rajshahi Landholders
Mr Syamaprosad Mookerjee, Bar-at-Law	Calcutta University
Rai Shashanka Kumar Ghosh Bahadur, C I E	Dacca University
Mr H H Burn	Bengal Chamber of Commerce
„ W H Thompson	Do
„ C R Sumner	Do
„ H Birkenmyre	Do
„ C C Miller	Do
„ G R Dain, C I E	Do
G A Mason	Indian Jute Mills Association
„ W A M Walker	Do
„ C K Nicholl	Indian Tea Association
„ J B Ross	Indian Mining Association
„ H R Norton	Calcutta Trades Association
„ Surendra Nath Law	Bengal National Chamber of Commerce
Maharaja Sris Chandra Nandy, of Kasimbazar	Do
Rai Badridas Goenka Bahadur, C I E	Bengal Marwari Association
Mr Ananda Mohan Poddar	Bengal Mahajan Sabha
„ J B Kindersley	Expert—Bengal Cess (Amendment) Bill, 1933
Rai Mahendra Nath Gupta Bahadur	Do
Rai Shalendra Nath Banarji Bahadur	Expert—Bengal Water ways Bill, 1933

The United Provinces.

The United Provinces of Agra and Oudh lie in practically the centre of Upper India. They are bounded on the north by Tibet, on the north-east by Nepal, on the east and south-east by Bihar, on the south by two of the Chota Nagpur States of the Central India Agency and the Saugor district of the Central Provinces, and on the west by the States of Gwalior, Dholpur, Bharatpur, Sirmoor, and Jubbah, and by the Punjab. Their total area amounts to 106,248 square miles, to which may be added the area of the three Indian States of Rampur, Tehri-Garhwal and Benares with an area of 5,943 square miles, giving a total of 112,191 square miles. The total population is 49,614,833.

The Provinces, originally termed the North Western Provinces and so amalgamated in 1877, receiving their present designation in 1902, include four distinct tracts of country: portions of the Himalayas, including the Kumaon division which consists of three hill districts, two of which are entirely in the hills and one is half in the submontane belt, the sub-Himalayan tract, the great Gangetic plain, and portions of the hill systems of Central India including Bundelkhand. The Gangetic plain is protected by an extensive Canal system, which though somewhat liable to run short of water in extremely dry years, is of great benefit in all ordinary years and years of limited drought. The first two of these tracts are infertile and support a very sparse population and the Central Indian plateau is almost equally infertile, though better populated. The soil of the Gangetic plain, however, possesses an extreme fertility and here the density of population varies from 342 persons per square mile in the west to 555 in the centre and 753 in the east, which gives the Provinces as a whole a greater population pressure on the soil than any other Province in India save Delhi and Bengal. In the south there are low rocky hills, broken spurs of the Vindhyan mountains, covered with stunted trees and jungle, and in the north the lower slopes of the Himalayas, clothed with dense forest, affording excellent big and small game shooting, and rising beyond in a tangled mass of ridges, ever higher and higher, until is reached the line of the eternal snows, but the greater part of the provinces consists of level plain, teeming with highly cultivated fields and watered by three rivers—the Ganges, Jumna, and Gogra.

The People

The population is mainly Hindu, 84·4 per cent ranking as such whilst Mahomedans number 15 per cent, the total of all other religions being 0·6 per cent composed of Christians (Europeans and Indians), Jains, Sikhs, Parsis, Buddhists and Jews. Included among the Hindus are the Arya Samajists, followers of the Arya Samaj sect, which obtains widely in the Punjab and has extended its influence to the United Provinces. The three main physical types are Dravidian, Aryan and Mongoloid, the latter being confined to the

Himalayan and sub-Himalayan districts and the former to South Mirzapur and Bundelkhand, whilst the high-caste Aryans frequent the Western districts of the Provinces. Most of the people, however, show a mixed Arya-Dravidian origin. Three languages are spoken by the great majority of the people in the plains—Western Hindi, Eastern Hindi and Bihari, Urdu or Hindustani is a dialect of Western Hindi, though it contains a large admixture of Persian and Arabic words, which makes it a *lingua franca*.

Industries

The chief industry is agriculture, which is the principal source of livelihood of 71·1 per cent of the population and a subsidiary source of income to a further 8·2 per cent. The soils of the Provinces fall into three groups: the valley soils of the Himalayas, the main alluvium and the Central Indian alluvium, the chief characteristic soil or the Central Indian alluvium is the black soil, with a lighter variant, though here also there are light loams and gravel. The Himalayan soils are of local origin and vary with the nature of the rock from which they have been formed, whilst the main alluvium soils are sand, clay and loam, the loam being naturally the most productive. The soil generally yields excellent crop of rice, millet, maize, linseed, cotton, wheat, sugarcane, pulses, barley and poppy, rice being grown mostly in low-lying, heavy clays. The greater part of the Provinces is highly cultivated, the rainfall varies from 50 to 60 inches in the hills, to 40 inches in the Benares and Gorakhpur Divisions, whilst the Agra Division receives only about 25 to 30 inches annually. Drought seriously affected Bundelkhand and the Agra Division in the past, but improved drainage and irrigation (a protective system of irrigation works exists and is being extended) have enabled a complete recovery to be made. Commodity prices showed a slight but steady upward movement till July when wheat in particular commenced to drop steadily. Generally the position of those solely dependent on agricultural produce is far from satisfactory. In addition to a low level of prices, yields are secured from kharif sown crops have been below par. The only fact offsetting the above is the generally satisfactory prospect of the present rabi crops. Land is held mostly on the ryotwari tenure in Bundelkhand and Kumaon, on zamindari tenure in Agra and taluqdari tenure in Oudh. The principal land owners in Oudh are the Taluqdars, some of whom own very large estates. The area held in taluqdari tenure amounts to 54 per cent of the total area in Oudh.

Manufactures

The provinces are not rich in minerals. Iron and copper are found in the Himalayan districts, and there were mines of importance there formerly, but owing to high cost of production and inaccessibility, most of them have been

closed Gold is found in minute quantities by washing the sands in some of the rivers in the hills. Limestone is found in the Himalayas and in the Etawah district and stone is largely quarried in the Mirzapur district. Cotton is ginned and spun throughout the Western districts of the provinces as a home industry and weaving by means of handlooms is carried on in most districts. Cawnpore is the chief centre for cotton spinning and weaving mills. According to the census of 1931, 45,128 persons were employed on cotton ginning, cleaning and pressing and 408,033 on spinning and weaving. Silk weaving used to be confined to Benares (where the famous *Kamkhar* brocade is made) but considerable work is now done at Shahjahanpur and Mau and some at Agra as well. Embroidery work is done at Lucknow, where the noted '*Chikan*' work of cotton on muslins is produced, and in Benares, where gold and silver work on silk, velvet, crepe and arsenet obtains. Benares uses local gold thread for embroidery work and *Kamkhar* weaving. The glass industry is important at Iirozabad, Bahjoi, Balawahi and Naini (Allahabad). Moradabad is noted for its lacquered brass-work, Benares for brassware engraving and repousse. Farrukhabad for its calico prints and Agra for its carpets and marble and alabaster articles. Glazed pottery is made at Chunar and Khurja and clay figures of men and fruits at Lucknow.

The making of brass utensils at Mirzapur, Farrukhabad and Oel (District Kheri) the carving and inlay work of Nagina and Saharanpur, the art silk industry of Mau, the lock and brass fittings industry of Aligarh, the copper utensil industry of Almora, the durries of Agra and Bareilly, the pottery of Nizamabad (District Azamgarh) and the ivory work of Lucknow also deserve mention.

Cawnpore is the chief industrial centre. It has tanneries, soap factories, oil mills, cotton woollen and other mills. The woollen mill is the largest in India. Lucknow possesses an important paper-mill. There are cotton ginning and pressing factories at Aligarh, Meerut and Bareilly and cotton mills at Agra, Mathras, Lucknow, Benares and Moradabad. Many sugar mills have been recently started, mainly in the Gorakhpur and Rohilkhand divisions. Excellent furniture is made at Bareilly mostly on cottage lines.

The largest trade centres are Cawnpore, Allahabad, Mirzapur, Benares, Lucknow, Meerut, Aligarh, Mathras, Muttra, Agra, Farrukhabad, Moradabad, Chandausi, Bareilly, Saharanpur, Muzaffarnagar, Ghaziabad, Khurja, Gorakhpur, Ghazipur, Pilibhit and Shahjahanpur.

Administration

The Province was until the close of 1920 administered by a Lieutenant-Governor, chosen from the ranks of the Indian Civil Service. Under the Reform scheme the Province was raised to the status of a Governor-in-Council, the Governor being assisted by two members of the Executive Council in charge of the

Reserved Subjects and two Ministers from Jan '22, 1926, in charge of the Transferred Subjects. The medium for the transaction of public business is the Secretariat, the Staff of which consists of 7 Secretaries (including Chief Secretary) and 4 Deputy Secretaries including the Director of Public Instruction and the Deputy Legal Remembrancer who are *ex Officio* Deputy Secretaries in the Education and Judicial Departments respectively. The Chief Secretary is in charge of Appointment, General Administration, Executive, Political, Newspaper and Police Departments, the Finance Secretary deals mainly with the Finance Department, the Revenue Secretary is in charge of the Revenue, Ecclesiastical and Forest Departments and also the Buildings and Roads branch of the Public Works Department, the Education Secretary looks to the Education, Industries, Agriculture and Excise Departments, the L S G Secretary to the local Self Government, Municipal, Medical and Public Health Departments and the Judicial Secretary is in charge of the Judicial and Legislative Departments. The seventh Secretary belongs to the Public Works Department (Irrigation Branch) and is also Chief Engineer for the Irrigation Branch of the P.W.D. Government spends the cold weather, October to April, in Lucknow and Allahabad, mostly in Lucknow, though the Secretariat remains throughout the year at Allahabad. The Governor and the Secretaries spend the hot weather in Naini Tal, but during the monsoon the Governor tours the plains, as he does also in the cold weather. The Board of Revenue is the highest court of appeal in revenue and rent cases, being the chief revenue authority in the province. There are forty-eight British districts, thirty-six in Agra and twelve in Oudh, average area 2,200 square miles and average population a million. Each district is in charge of a District Officer, termed a Collector and Magistrate in Agra and a Deputy Commissioner in Oudh and Kumaon. The districts are grouped together in divisions. Each division is under a Commissioner, except the Kumaon division, the charge of which is held by the Deputy Commissioner, Naini Tal, in addition to his duties. There are ten divisions, having an average area of nearly 10,000 square miles and an average population of nearly 5 millions. The districts are sub-divided into *tahsils* with an average area of 500 square miles and an average population of 236,000. Each *Tahsil* is in charge of a *Tahsildar*, who is responsible for the collection of revenue, and also exercises judicial powers. *Tahsils* are divided into *parganas* which are units of importance in the settlement of land revenue. Subordinate to the *Tahsildars* are *naiib tahsildars* and *kanungos*. Ordinarily there are three *kanungos* and one *naiib tahsildar* to a *tahsil*. The *Kanungos* supervise the work of the *patwaris*, or village accountants, check their papers and form a link direct between the villagers and Government. For judicial purposes (revenue and criminal), the District Officer assigns a sub-division, consisting of one or more *tahsils*, as the case may be to each of his subordinates, who may be covenanted civilians (Joint and Assistant Magistrates and Collectors) or members of the Provincial Service (Deputy Collectors and Magistrates). The Commissioners

of the Rohilkhand Division is Political Agent for the Indian States of Pampur and Tehri Garhwal and the Commissioner of Benares is the Political Agent for Benares State

Justice

Justice is administered by the High Court of Judicature at Allahabad in the province of Agra and by the Chief Court of Oudh sitting at Lucknow which are the final appellate authorities in both criminal and civil cases. The former consists of a Chief Justice and eight permanent and two temporary puisne judges five of whom including the Chief Justice are Indians, and the latter consists of a Chief Judge and four judges four of whom including the Chief Judge are Indians. There are thirty-two posts (twenty-four in Agra including two posts temporarily held in absence and eight in Oudh) of district and sessions judges of which nine are held by Indians not belonging to the Indian Civil Service as they have been listed to the provincial service and the bar. They have both original and appellate jurisdiction in civil and criminal cases and occasional appellate jurisdiction in rent cases. District Officers and their assistants including tahsildars preside in criminal courts as magistrates and as collectors and assistant collectors, in rent and revenue courts and dispose of a good deal of the work. Kumaun has been brought under the Civil jurisdiction of the High Court from 1st April 1926. The Deputy and assistant commissioners exercise inferior civil powers in this division which has no separate civil courts. In the rest of the provinces there are subordinate judges, judges of small cause courts and munsifs who dispose of a large number of civil suits. In Agra the jurisdiction of a subordinate judge extends to all original suits without pecuniary limit and a munsif can hear cases ordinarily of a value not exceeding Rs 2,000, and if specially empowered up to Rs 5,000. In Oudh the ordinary jurisdiction of a subordinate judge extends to suits valuing not more than Rs 20,000 and the ordinary jurisdiction of a munsif to suits of Rs 2,000 value, provided that in special cases the limit of pecuniary jurisdiction can be removed altogether in the case of a subordinate judge and that of the munsif raised up to Rs 5,000. Appeals from munsif always lie to the district judge while those from the subordinate judges go to the High Court or the Chief Court except in cases of a value of Rs 5,000 or less which are heard by the district judge. Small cause court judges try suits to the value of Rs 500. There are also honorary munsifs limited to Rs 200 suits and village munsifs whose jurisdiction is fixed at Rs 20.

Local Self-Government

The units of local self government are the district and municipal boards which, with the exception of three municipal boards, have non-official Chairman. The municipal boards having an annual income of Rs 50,000 or over have executive officers to whom certain administrative powers are reserved. The administrative functions of the municipal and district boards are performed by the Chairman and Executive Officer or the secretary, but the boards themselves are directly responsible for most of the administration. The district boards obtain

45% of their income from Government grants. The other chief sources of income is the local rate levied from the landowners. Some of the boards have recently imposed a tax on circum-stance and property. The chief source of municipal income is the octroi or terminal tax and toll which is in octroi in modified form. Local opinion is strongly in favour of indirect as opposed to direct taxation for municipal purposes.

Public Works

The Public Works Department is divided into the Buildings and Roads branch and the Irrigation branch. The Buildings and Roads branch is administered by a Civilian Secretary and the principal administrative officer is a Chief Engineer. The Irrigation branch is administered by two Secretaries to Government who are also Chief Engineers. The Province is divided into circles and divisions both for buildings and roads and for irrigation purposes. Each circle is in charge of a Deputy Chief Engineer or a Superintending Engineer, or and each division is in charge of an Executive Engineer. The whole of the irrigation works constructed or maintained by Government are administered by the Irrigation branch. All metalled roads maintained from Provincial funds and construction of all buildings costing more than Rs 20,000 are in charge of the Buildings and Roads branch. In the Irrigation branch one of the Chief Engineers is in charge of Eastern Canals comprising the Sarda Canal and the canals in Bundelkhand and Mirzapur and the other is in charge of Western Canals comprising Ganges Canals, Eastern Jumna Canal and Agra Canal. The Sarda Canal—a work of the first magnitude was opened in 1928 and has introduced irrigation into most of the districts of Oudh. In connection with the Ganges Canal an important hydro electric scheme the scope of which covers seven western districts of the province is now in operation. It is capable of further development and will ultimately give a total output of 36,000 kilowatts. The energy is distributed by means of 882 miles of High Tension lines to provide some 70 towns of 5,000 population and over in the seven districts with cheap power for light, fans and minor industries. The energy is also used for irrigation pumping from rivers, and low level canals as well as from tube and open wells. The total cost of the first stage of the scheme excluding pumping projects for irrigation is 138 lakhs.

Police

The Police Force is administered by an Inspector General, with three Deputies and one Assistant, forty six Superintendents, forty-one Assistant Superintendents and sixty-five Deputy Superintendents. There is a Police Training School at Moradabad. There is a C I D forming a separate detective department, under a Deputy Inspector-General with three assistants. The armed police of the three police ranges have recently been rearmed with the 410 musket, the 476 musket and the Martini Henri rifle having formed their late armament. The administration of the Jail Department is in charge of an Inspector General of Prisons, who is a member of the Indian Medical Service.

Education

Education is maintained in part by the State and partly by means of grants-in-aid. There are five universities, the four residential universities of Allahabad, Lucknow, Aligarh (Muslim) and Benares (Hindu) and the affiliating University of Agra. The last named was established in 1927 and consists, besides six affiliated colleges situated outside the United Provinces, of the eight colleges, formerly associated with Allahabad University on its external side, viz., the Agra and St John's Colleges at Agra, the Christ Church, D A V and Sanatan Dharma Colleges at Cawnpore, the Meerut College, Meerut, the Bareilly College, Bareilly and St Andrew's College, Gorakhpur. There are Intermediate Colleges which prepare boys for the high school and intermediate examinations conducted by the Board of High School and Intermediate Education, which controls high school and intermediate education. The Isabella Thoburn College at Lucknow and the Crosthwaite Girls' College at Allahabad impart university education to Indian girls and the Theosophical National Girls' School and Women's College at Benares, the Muslim Girls' Intermediate College at Aligarh, Mahila Vidyalaya Intermediate College at Lucknow teach up to the intermediate stage. In addition to these there are A V High Schools, English Middle and vernacular Lower Middle schools and primary schools throughout the province for the education of Indian girls, they are controlled by Chief Inspectresses of Girls, Schools under instructions from the Education Department. The St George's Intermediate College, Mussoorie, the Philander Smith College, Naini Tal, the St Joseph's College, Naini Tal, and the Martiniere College, Lucknow, are the well known institutions for European and Anglo-Indian children in the province which teach up to the intermediate stage. Besides these, there are many excellent educational institutions for European boys and girls both in the hills and plains which are attended by students from all over India. Government maintain Training Colleges for teachers in Lucknow, Allahabad and Agra, and there are training departments attached to the Aligarh Muslim University and the Benares Hindu University. There is a Government Engineering College at Roorkee (Thomason College), a School of Art and Crafts in Lucknow and an Agricultural College, and a Technological Institute at Cawnpore, there is also a non-Government Agricultural Institute at Naini Tal. Education in law is given at the four residential universities and at the Agra and Meerut colleges, and at the Dayanand Anglo-Vedic and Sanatan Dharma Colleges at Cawnpore and at the Bareilly College. Instruction in commerce for the B Com degree of the Agra University is given in the Sanatan Dharma and the D A V Colleges at Cawnpore and in the St John's College at Agra, a commerce department for B Com degree is also attached to Allahabad and Lucknow Universities. The King George's Medical College, Lucknow, now merged in the Lucknow University, prepares candidates for the M B B S degree of the Lucknow University. Besides this there are two medical schools at Agra for males and females, and also a College of Ayurveda and Tibbia which is attached to the Benares Hindu and the

Aligarh Muslim Universities respectively. Public schools for secondary and primary vernacular education are almost entirely maintained or aided by district and municipal boards and vernacular education is almost entirely in their hands.

Medical

The Medical Department is in charge of an Inspector-General of Civil Hospitals, who is assisted by a lady Superintendent for Medical aid to women in the administration of the Dufferin fund affairs. A Civil Surgeon is in charge and is responsible for the medical work of each district and in a few of the larger stations he has an assistant. In two stations (Ranikhet and Roorkee) Medical Officers in military employ hold collateral civil charge. There are 109 Provincial Medical service officers in charge of important Moffusil dispensaries and on the reserve list and a large number of Provincial subordinate medical service officers. Lady doctors and women sub assistant surgeons visit *pardanasheen* women in their own homes and much good work is done in this manner. Maternity and Child Welfare Centres have been opened in almost all the districts of the province.

The best equipped hospitals for Indian patients are the Thomason Hospital at Agra, King George's Hospital and the Balrampur Hospital at Lucknow, the Prince of Wales Hospital, Cawnpore, King Edward VII Hospital, Benares, the Civil Hospital at Allahabad (for Europeans, Anglo-Indians and Indians living in European style) and Saint Mary's Cottage Hospital, Mussoorie. The Ramsay Hospital for Europeans at Naini Tal is a first class institution and there are also the Lady Dufferin Hospital, King George's Medical College, Lucknow, is one of the best equipped colleges in the country, with a staff of highly efficient professors, and the hospital attached to it is the first in the Province. The Queen Mary's Hospital for women and children, completed in 1932, is also attached to the King George's Medical College and provides clinical material for the instruction of students in midwifery and gynaecology. There are also male and female medical schools at Agra. As the X-Ray Institute at Dehra Dun has been closed, it is proposed to institute classes of instruction in X-ray diagnosis and therapy at the King George's Medical College, Lucknow, where every facility for such work would be forthcoming. The scheme is, however, held up owing to lack of funds. There are sanatoria for British soldiers in the hills. The King Edward VII Sanatorium at Bhowali in the district of Naini Tal is an up-to-date and well equipped institution for the treatment of European and Indian consumptives. In addition five centres for the treatment of tubercular patients have been established at Agra, Allahabad, Benares, Cawnpore and Lucknow. There are mental hospitals for Indian non criminal lunatics at Agra and Bareilly and for criminal lunatics at Benares. Arrangements for the treatment of active cases of Leprosy have been made at most of the headquarters hospitals. The Shrimati Bhagwan Dei Leper Home at Cawnpore provides special facilities for the treatment of leprosy.

THE FINANCES OF THE UNITED PROVINCES

As explained in the chapters on the new constitution of India, under the Reforms Act of 1919, the financial position of the Provinces underwent a remarkable change. The Provinces are, for all practical purposes, financially independent of the Government of India. The contribution payable by the Local Government has been remitted entirely by the Government of India with effect from the year 1928-29. As the finances of the Provinces thus become of greater importance, the position is set out in some detail in the following pages—

ESTIMATED REVENUE FOR 1933-34

<i>Principal Heads of Revenue</i>		<i>Miscellaneous</i>	
	Rs		Rs
Taxes on Salt	8,000	Transfers from Famine Relief Fund	7,440
Taxes on Income		Receipts in aid of superannuation	1,72,000
Land Revenue	5,83,08,140	Stationery and Printing	5,07,500
Excise	1,30,26,000	Miscellaneous	7,55,000
Stamps	1,81,00,000	Total	15,31,940
Forests	45,55,400	Extraordinary receipts	
Registration	12,87,000	Miscellaneous adjustments between the Central and Provincial Governments	
Scheduled Taxes		Total Revenue	11,50,67,920
Total	9,52,84,540		
<i>Railways</i>		Debit deposits and advances—	Rs
Subsidised Companies	90,000	(a) Government Press Depreciation Fund	45,000
<i>Irrigation</i>		(b) Famine Relief Funds	23,15,200
Works for which capital accounts are kept—		(c) Loans and advances by Provincial Governments	29,80,000
(1) Productive Works—		(d) Advances from Provincial Loans Funds	35,51,000
Net receipts	1,17,72,801	(e) Appropriation for reduction or avoidance of Debt-Sinking Fund	14,00,000
(2) Unproductive Works—		(f) Transfer from Famine Relief Fund for repayment of advances from the Provincial Loans Fund	5,00,000
Net receipts	54,700	(g) Subventions from Central Road Development Account	5,70,000
Total, net receipts	1,18,27,501	(h) Subventions from the Imperial Council Agricultural Research and Indian Central Cotton Committee	51,728
Works for which no capital accounts are kept	17,000	Total	93,29,228
Total Irrigation	1,18,44,501	Total receipts	12,43,97,148
<i>Debt Services.</i>		Opening Balance	—1,20,90,602
Interest	13,82,500	Grand Total	11,23,06,546
Total	13,82,500		
<i>Civil Administration</i>		ESTIMATED EXPENDITURE FOR 1933-34	
Administration of Justice	14,05,220	<i>Direct demands on the Revenues</i>	
Jails and Convict Settlements	5,24,700	Taxes on Income	
Police	1,69,100	Land Revenue	74,77,627
Education	11,05,000	Excise	11,80,999
Medical	2,93,100	Stamps	3,31,162
Public Health	1,42,100	Forests	27,46,060
Agriculture	5,31,000	Forest Capital outlay charged to revenue	14,650
Industries	1,79,200	Registration	4,63,721
Miscellaneous Departments	63,020	Total	1,22,14,119
Total	44,12,440		
<i>Buildings, Roads and Miscellaneous Public Improvements—</i>		<i>Railway Revenue Account</i>	
Civil Works—(a) ordinary	3,37,000	State Railways—Interest on debt	8,190
(b) Transfer from Central Road Development Account	1,84,999	Subsidised companies	540
Total	5,21,999	Total	8,730

<i>Irrigation Revenue Account</i>	
Works for which capital accounts are kept—	Rs
Interest on Irrigation Works	1,08,49,940
Other revenue irrigation expenditure financed from ordinary revenues	—9,603
Total	1,08,40,340

<i>Irrigation Capital Account (charged to revenue)</i>	
Construction of Irrigation Works—	
A—Financed from ordinary revenues	91,000
<i>Debt Services</i>	
Interest on ordinary debt	38,70,112
Sinking Fund	14,00,000
Payment to the Provincial loan fund	.. .. .
Total	52,70,112

<i>Civil Administration</i>	
General Administration	1,30,85,037
Administration of Justice	71,97,437
Jails and Convicts' Settlements	33,18,085
Police	1,60,73,063
Scientific Departments	23,162
Education	1,02,01,200
Medical	32,53,373
Public Health	19,43,892
Agriculture	29,48,650
Industries	11,35,166
Miscellaneous Departments	76,374
Exchange	.. .. .
Total	6,83,19,048

<i>Buildings, Roads and Miscellaneous Public Improvements</i>	
Civil Works—(a) Provincial expenditure	45,57,804
(b) Improvement and communications from Central Road Development Account	1,84,999
Total	47,42,803

<i>Miscellaneous.</i>	
Famine Relief and Insurance—	Rs
A—Famine Relief	7,440
B—Transfers to Famine Insurance Fund	
Superannuation Allowances and Pensions	61,89,340
Stationery and Printing	12,53,504
Miscellaneous	11,34,799
Extraordinary Charges	37,000
Total	89,22,083

Expenditure in England—	
Secretary of State	1,89,600
High Commissioner	40,58,400

<i>Irrigation and other capital expenditure not charged to revenue.</i>	
(a) Construction of irrigation works	14,08,500
(c) Hydro electric scheme	
(d) Outlay on improvement of public health	
(e) Outlay on Agricultural improvement	
(b) Forest outlay	
Total	14,08,500

<i>Debt, and Deposits Advances—</i>	
(a) Famine Relief Fund	
(b) Civil Contingencies Fund	
(c) Loans and Advances by Local Governments	11,29,000
(d) Sinking Fund Investment Account	14,00,000
(e) Government Press Depreciation Fund	1,000
(f) Repayment of Advances from Provincial Loans Fund	16,63,746
60 B Payment of Commuted Value of Pensions	9,79,700
60 Civil Works	21,566
61-A Other Provincial Works not charged to revenue	
61 Payments to Retrenched Personnel	5,160
Transfer from Famine Relief Fund for repayment of advances from the Provincial Local Fund	5,00,000
Subventions from Central Road Development Account	1,84,999
Famine Relief Fund—Transfer to revenue	7,440
Charges against grants from the Imperial Council and Agriculture Research Indian Central Cotton Committee	51,728

Total	59,58,339
Total Disbursements	12,20,56,974
Closing Balance	—97,50,428
Grand Total	11,23,06,546

Administration.

Governor—His Excellency Sir Malcolm Hailey, MA, GCSI, GCMG, ICS (Sir Harry Halse, KCSI, CII, ICS, *Governor-Designate*)

Private Secretary—Capt L A M Bates

Aides de Camp—Capt D de G Lambert and
Capt M N E Macmullan

EXECUTIVE COUNCIL

The Hon'ble Mr L A H Blunt, CII

The Hon'ble Kunwar Jagdish Prasad, CSI, CII, OBF

MINISTERS

The Hon'ble Nawab Sir Muhammad Yusuf Kt, Bar at Law

The Hon'ble Mr J P Srivastava, MSc, AMST

SECRETARIAT

Chief Secretary to Government, J M Clay, CII, OBE, ICS

Local Self Government and Public Health Secretary, P Mason, ICS

Revenue and P W D (B & R) Secretary to Government, H A Lane, CII, ICS

Judicial Secretary, J T W Allsop, ICS

Industries and Education Secretary, P M Kharegut, ICS

Finance Secretary, T L Sathie, ICS

Secretary to Government Irrigation Branch, W L Stampe, CIL, ISE

MISCELLANEOUS APPOINTMENTS

Opium Agent, Ghazipur, G S V Paterson

Chief Conservator of Forests, F Canning IIS

Director of Public Instruction, A H Mackenzie, MA, BSc, CSI, CIE

Inspector-General of Police, H R Roe, CIE

Inspector-General of Civil Hospitals, Lt-Col H C Buckley, IMS

Director of Public Health, Lieut Colonel W A Means, IMS

Commissioner of Excise and Inspector General of Registration, R I Shrivastani, ICS

Inspector General of Prisons, Lt Col C E Palmer, MA, MB, IMS

Director of Agriculture, R G Allan, MA

LIEUTENANT-GOVERNORS OF THE NORTH WESTERN PROVINCES.

Sir C T Metcalfe, Bart, GCB 1833
The Right Hon the Governor General
in the North-Western Provinces (Lord Auckland) 1838

F C Robertson 1840
The Right Hon the Governor General
in the North-Western Provinces (Lord Ellenborough) 1842

Sir G R Clerk, KCB 1843

James Thomson, Died at Bareilly . 1843

A W Begbie, *In charge* . 1853

J R Colvin, *Died at Agra* .. 1853

L A Renée, *In charge* . 1857

Colonel H Fraser, CB, *Chief Commissioner N-W Provinces* 1857

The Right Hon the Governor General
administering the N-W. Provinces
(Viscount Canning) 1858

Sir G I Edmonstone . 1859

R Money, *In charge* .. 1863

The Hon Edmund Drummond . 1863

Sir William Muir, KCSI . 1868

Sir John Strachey, KCSI . 1874

Sir George Couper, Bart, GCB . 1876

LIEUTENANT-GOVERNORS OF THE NORTH WESTERN PROVINCES AND CHIEF COMMISSIONERS OF OCEAN

Sir George Couper, Bart, CB, KCSI 1877

Sir Alfred Comyns Lyall, KCB 1882

Sir Auckland Colvin, KCMG, CIP 1887

Sir Chas H T Crosthwaite, KCSI 1892

Alan Cadel' (*Officiating*) 1895

Sir Antony P MacDonnell, KCSI (a) 1895

Sir G J D LaTouche, KCSI . 1901

(a) Afterwards (by creation) Baron MacDonnell

LIEUTENANT-GOVERNORS OF THE UNITED PROVINCES OF AGRA AND OUDH

Sir J J D LaTouche, KCSI .. 1902

Sir J P Hewett, KCSI, CIE . 1907

L A S Porter, CSI (*Officiating*) . 1912

Sir J S Meston, KCSI . 1912

Sir Harcourt Butler, KCSI, CIE 1918

GOVERNORS OF THE UNITED PROVINCES

Sir Harcourt Butler, KCSI, CIE . 1920

Sir William Harris, KCI . 1921

Sir Samuel Perry O'Donnell, KCIL, CSI (*Officiating*) 1926

Sir Alexander Muddiman, KCSI, CIE 1928

Died at Nainital

Capt Nawab Muhammad Ahmad Said Khan of Chhatari, CIE, MBE 1928

In charge

Sir Malcolm Hailey, GCSI, GCIE 1928

Sir George Baneroff, KCSI 1930

Sir Malcolm Hailey, GCSI, GCIE 1931

Captain Nawab Sir Muhammad Ahmad Said Khan of Chhatari, KCSI, KCIE, MBE, LL D 1933

Sir Malcolm Hailey, GCSI, GCIE 1933

UNITED PROVINCES LEGISLATIVE COUNCIL

PRESIDENT

The Hon'ble Sir Sita Ram, Kt, M A, LL B

DEPUTY PRESIDENT,

Nawabzada Muht Liaquat Ali Khan, M A (Oron), Bar at Law

ELECTED MEMBERS

Body, Association or Constituency represented	Name
Allahabad, Jaunpur and Mirzapur Districts (Muhammadan Rural)	The Hon Nawab Sir Muhammad Yusuf, Kt Bar-at-Law, Minister of Local Self Government
Upper India Chamber of Commerce	The Hon'ble Mr J P Srivastava, Minister of Education
Agra City (non-Muhammadan Urban)	Mr Perma
Cawnpore City (non-Muhammadan Urban)	Rai Bahadur Babu Awadh Behari Lal
Allahabad City (non-Muhammadan Urban)	Rai Bahadur Babu Kamta Prasad Kakkar, B A, LL B
Lucknow City (non-Muhammadan Urban)	Chaudhri Ram Daval
Benares City (non Muhammadan Urban)	Chaudhri Jagarnath
Bareilly City (non Muhammadan Urban)	The Hon'ble Sir Sita Ram, Kt, M A, LL B
Meerut cum-Aligarh (non-Muhammadan Urban)	Chaudhri Baldeva
Moradabad-cum Shahjahanpur (non Muhammadan Urban)	Rai Sahib Sahu Jwala Saran Kothiwala
Dehra Dun district (non-Muhammadan Rural)	Mr Toppu Ram
Saharanpur District (non-Muhammadan Rural)	Pandit Moti Lal Bhargava
Muzaffarnagar (non-Muhammadan Rural)	Raja Bahadur Kushalpal Singh, M A, LL B
Meerut District (North) (non Muhammadan Rural)	Chaudhri Ram Chandra
Meerut District (South) (non-Muhammadan Rural)	Chaudhri Ghisita
Bulandshahr District (East) (non-Muhammadan Rural)	Rai Bahadur Chaudhri Raghuraj Singh
Bulandshahr District (West) (non-Muhammadan Rural)	Chaudhri Arjuna Singh
Aligarh District (East) (non-Muhammadan Rural)	Rao Bahadur Thakur Pratap Bhan Singh
Aligarh District (West) (non Muhammadan Rural)	Rao Sahib Thakur Shiva Dhyani Singh
Muttra District (non-Muhammadan Rural)	Kunwar Girwar Singh
Agra District (non-Muhammadan Rural)	Pandit Joti Prasad Upadhyaya, M A, LL B
Mainpuri District (non Muhammadan Rural)	Chaudhri Dhurya Singh, M B E
Etah District (non-Muhammadan Rural)	Rao Krishna Pal Singh
Bareilly District (non-Muhammadan Rural)	Rai Sahib Kunwar Dharkan Lal
Bijnor District (non Muhammadan Rural)	Thakur Balwant Singh Gahlot
Budaun District (non-Muhammadan Rural)	Rai Bahadur Brij Lal Badhwar
Moradabad District (non-Muhammadan Rural)	Rao Bahadur Kunwar Sardar Singh
Shahjahanpur District (non-Muhammadan Rural)	Rai Bahadur Manmohan Sahai
Pilibhit District (non-Muhammadan Rural)	Babu Ram Bahadur Saksena
Jhansi District (non-Muhammadan Rural)	Lal Shyam Lal
Jalaun District (non-Muhammadan Rural)	Babu Kamta Nath
Hamirpur District (non-Muhammadan Rural)	Kunwar Jagbhan Singh, B A, LL B
Banda District (non-Muhammadan Rural)	Thakur Keshava Chandra Singh M Sc, LL B

Body Association or Constituency represented	Name
Benares, Ghazipur, Ballia and Azamgarh Districts (Muhammadian Rural)	Mr M Nisarullah, B A
Gorakhpur District (Muhammadian Rural)	Khan Bahadur Sayid Zahid Ali Sahzposh
Basti District (Muhammadian Rural)	Khan Bahadur Shaikh Ghulam Husain
Moradabad (North) (Muhammadian Rural)	Khan Bahadur Hafiz Ghazan-Farullah
Moradabad (South) (Muhammadian Rural)	Khan Bahadur Sayid Jafer Hosain, Bar at Law
Budaun District (Muhammadian Rural)	Shaikh Afzal ud-din Hyder
Shahjahanpur District (Muhammadian Rural)	Khan Bahadur Maulvi Muhammad Izazul Rahim Khan B A, LL B
Bareilly District (Muhammadian Rural)	Khan Bahadur Sirdar Muhammad Shikardad Khan
Kumaun Division cum Pilibhit (Muhammadian Rural)	Khan Sahib Muhammad Imtiaz Ahmad
Gonda and Bahraich Districts (Muhammadian Rural)	Raja Sayid Muhammad Saadat Ali Khan
Kheri and Sitapur Districts (Muhammadian Rural)	Shaikh Muhammad Habibullah, O B I
Hardoi, Lucknow and Unao Districts (Muhammadian Rural)	Raja Sayid Ahmad Ali Khan Ali, M B I
Fyzabad and Bara Banki Districts (Muhammadian Rural)	Raja Sir Muhammad Ijaz Rasul Khan, Kt CSI
Sultanpur Partabgarh and Rae Bareilly Districts (Muhammadian Rural)	Raja Sayid Muhammad Mehdi
European	Mr L M Medley
Agra Landholders (North)	Rai Sahib Lala Anand Sarup
Agra Landholders (South)	Rai Bahadur Lala Bhari Lal
Taluqdars	{ Chaudhri Muhammad Ali Ishkur Rampal Singh Rai Bahadur Kunwar Bisheshwar Dayal Seth, B Sc, ICS Raja Jagannath Bakhsh Singh
Upper India Chamber of Commerce	Mr L M Souter
United Provinces Chamber of Commerce	Rai Bahadur Babu Vikramajit Singh, B A, LL B
Allahabad University	Babu Gajadhar Prasad M A, LL B

EX OFFICIO MEMBERS.

The Hon'ble Mr E A H Blunt, C I F, O B I, ICS

The Hon'ble Kunwar Jagdish Prasad, CSI, C I F, O B I, ICS

NOMINATED MEMBERS

Mr J M Clay, C I F, O B I, ICS

Mr J L Sathe, ICS

Mr P Mason, ICS

Mr P M Kharegat, ICS

Mr H A Lane, C I F, ICS

Mr J J W Allsop, ICS

Mr A H Mackenzie, CSI, C I F, ICS

Mr A C Turner, M B I, ICS

Rai Bahadur P C Mogha, B A, LL B

Khan Bahadur Sayid Ain ud din, B A

Sayid Abdul Hasan, B Sc LL B

Mr E F Oppenheim, C I I, ICS

Lieut-Col W A Meains, IMS

Colonel A H Proctor, IMS

Mr T Canning, IFS

Mr D L Drake Brockman, ICS

Mrs Kallash Srivastava

Khan Bahadur Maulvi Asik ud din

Captain K O Carleton, M A, Bar at Law (Anglo Indian Community)

Mr E Ahmad Shah, M A, D Litt (Indian Christian Community)

Rai Sahib Babu Rama Charana, B A, LL B (Depressed Classes)

SECRETARY TO THE LEGISLATIVE COUNCIL

Babu Surendranath Ghosh

Mr G S K Hydrie, B A, LL B, Bar at Law, Superintendent

The Punjab.

The Punjab or land of the five rivers, is so called from the five rivers by which it is enclosed, namely, the Jhelum, Chenab, Ravi, Beas and Sutlej. Together with the North-West Frontier Province and the Indian State of Jammu and Kashmir which lie to the north, the Punjab occupies the extreme north-western corner of the Indian Empire, and with the exception of the above mentioned province comprises all of British India north of Sind and Rajputana and west of the river Jumna. Previous to October 1912, the Punjab with its feudatories embraced an area of 139,330 square miles and a population at the Census of 1911 of 24,187,750 (inclusive of 23,587 trans-frontier Baluchis), that is to say, about one-thirteenth of the area and population of the Indian Empire. But the formation of a separate province of Delhi reduced the area and population of the Punjab by about 450 square miles and 380,000 souls, respectively. The total population of the Province in 1931, including the Baloch tribes on the border of the Dehra Ghazi Khan District, was 23,490,857 of whom 4,910,005 were in the Indian States.

Physical Features

The greater part of the Punjab consists of one vast alluvial plain, stretching from the Jumna in the east to the Suleman Range in the west. The north-east is occupied by a section of the Himalayas and the Salt Range forms its north-western angle. A few small spurs of the Aravalli mountain system traverse the extreme south east and terminate in the Ridge at Delhi. The Punjab may be divided into five natural divisions. The Himalayan tract includes an area of 22,000 square miles with a scanty population living scattered in tiny mountain hamlets. The Salt Range tract includes the districts of Attock, Rawalpindi and Jhelum and part of Shahpur district. Its physical configuration is broken and confused and the mountainous tracts of Murree and Kahuta approximate closely in characteristics to the Himalayan tract. Except in the hills, the rainfall leaves little margin for protection against distress in unfavourable seasons and irrigation is almost unknown. Skirting the base of the hills and including the low range of the Siwaliks, runs the narrow submontane tract. This tract, secure in an ample rainfall, and traversed by streams from the hills, comprises some of the most fertile and thickly populated portions of the province. Its population of over four millions is almost agricultural and pastoral but it includes one large town in Sialkot. Of the plains of the Punjab, the eastern portion covers an area of some 36,000 square miles with a population of 10½ millions. East of Lahore, the rainfall is everywhere so far sufficient that cultivation is possible without irrigation in fairly favourable seasons, but over the greater part of the area the margin is so slight that, except where irrigation is employed, any material reduction

in the rainfall involves distress, if not actual famine. Within the eastern plains lie the large cities of Lahore and Amritsar, and the population in comparison with the western Punjab is largely urban. The western plains cover an area of 59,000 square miles, with a population of a little over six millions. The rainfall in this area, heaviest in the north and east and decreasing towards the west and south is everywhere so scanty that cultivation is only possible with the aid of artificial irrigation or upon the low lying river-banks left moist by the retreating floods. In this very circumstance, these tracts and their security against famine, for there cultivation is almost independent of rain, a failure of which means nothing worse than a scarcity of grass. So little rain is sufficient, and absolute drought occurs so seldom that the crops may be said never to fail from this cause. The western plains embrace the great colony areas on the Cherab and Jhelum Canals which now challenge the title of the eastern plains as the most fertile, wealthy and populous portions of the province. Multan and Lyallpur are the largest towns in the western area. Owing to its geographical position, its scanty rainfall and cloudless skies, and perhaps to its wide expanse of untilled plains, the climate of the Punjab presents greater extremes of both heat and cold than any other portion of India. The summer, from April to September, is scorchingly hot, and in the winter, sharp frosts are common. But the bright sun and invigorating air make the climate of the Punjab in the cold weather almost ideal.

States

The Indian States of the Punjab were formerly in the Political charge of the Punjab Government. In 1921, however, the thirteen most important States, including Patiala, Bahawalpur, Jind and Nabha, were formed into a separate 'Punjab States Agency' under the control of the Agent to the Governor-General, Punjab States. The only States remaining in the charge of the Punjab Government are the Simla Hill States, for which the Deputy Commissioner of Simla is Political Officer, and three small States in the Ambala Division, Kalsia, Pataudi and Dujana, which are supervised by the Commissioner of Ambala.

The People

Of the population roughly one-half is Mahomedan, three eighths Hindu and one eighth Sikh. Socially the landed classes stand high, and of these the Jats, numbering nearly five millions, are the most important. Roughly speaking, one-half the Jats are Mahomedan, one-third Sikh and one-sixth Hindu. In distribution they are ubiquitous and are equally divided between the five divisions of the province. Next in importance come the Rajputs, who number over a million and a half. The majority of them are Mahomedans by religion,

about a fourth are Hindus and a very few Sikhs. They are widely distributed over the province. Both Jats and Rajputs of the Punjab provide many of the best recruits for the Indian Army. In fact all the agricultural classes of the Punjab, except in the south-western districts, made a magnificent response to the appeal for recruits in the great war and the province's contribution of upwards of 400,000 men to the man power of the Empire speaks for itself. The Gujars are an important agricultural and pastoral tribe, chiefly found in the eastern half of the province and in the extreme north-west. In organisation they closely resemble the Jats and are often absorbed into that tribe. There are many minor agricultural tribes, priestly and religious castes (Brahmans, Savads and Kureshis), most of whom are landholders, the trading castes of the Hindus (Khatrias, Aroras and Banias), the trading castes of the Mahomedans (Khojras, Parichas and Khakhars) and the numerous artisan and menial castes. There are also vagrant and criminal tribes, and foreign elements in the population are represented by the Baluchis of Dera Ghazi Khan and neighbouring districts in the west, who number about half a million and maintain their tribal system, and the Pathans of the Attock and Mianwali districts. Pathans are also found scattered all over the province engaged in horse dealing, labour and trade. A small Tibetan element is found in the Himalayan districts.

Languages

The main language of the province is Punjabi, which is spoken by more than half the population. Western Punjabi may be classed as a separate language, sometimes called Lahndi, and is spoken in the north and west. The next most important languages are Western Hindi, which includes Hindustani and Urdu (the polished language of the towns), Western Pahari, which is spoken in the hill tracts, and Rajasthani, the language of Rajputana. Baluchi, Pushto, Sindhi and Tibeto-Burman languages are used by small sections of the population.

Agriculture

Agriculture is the staple industry of the province affording the main means of subsistence to 60.5 per cent of the population. It is essentially a country of peasant proprietors. About one sixth of the total area in British districts is Government property, the remaining five sixths belonging to private owners, and a large part of the Government land is so situated that it cannot be brought under cultivation without extensive irrigation. Thus the Lower Chenab Canal irrigates 1,930,000 acres of what was formerly waste land, the Lower Jhelum Canal, 4,18,000 acres and the Lower Bari Doab Canal, adds 1,005,000 acres to this total. On account of the opening of the Sutlej Valley canals an area of about 1,213,000 acres more has been brought under cultivation. Large areas in the hills and elsewhere which are unsuited to cultivation are preserved as forest lands, the total extent of which is about 6,000 square miles. Of the crops grown, wheat is the most important and the development

of irrigation has led to a great expansion of the wheat area. Next in importance to wheat is gram. Other important staples are barley, rice, millets, maize, oilseeds (rape, toria and aramum), cotton and sugarcane. In the canal colonies large areas of American cotton are grown but in the cotton growing districts the short staple indigenous varieties are predominant. The country being preponderantly agricultural, a considerable proportion of the wealth of the people lies in live stock. Large profits are derived from the cattle and dairy trades and wool is a staple product in Kulu and Kangra and throughout the plains generally. The production of hides and skins is also an important industry.

Industries

The mineral wealth of the Punjab is small, rock salt, saltpetre and limestone for road building being the most important products. There are some small coal mines in the Jhelum, Shahpur and Mianwali districts. Gold washing is carried on in most of the rivers not without remunerative results. Iron and copper ore are plentiful but the difficulty of carriage and the absence of fuel have hitherto prevented smelting on a large scale. The Punjab is not a large manufacturing province, the total number of factories being only 673 the majority of which are cotton ginning and pressing factories. Blankets and woollen rugs are produced in considerable quantities and the carpets of Amritsar are famous. Silk weaving is also carried on and the workers in gold, silver, brass, copper and earthenware are fairly numerous. Ivory carving is carried on extensively at Amritsar and Jalandhar and also in the Patiala State. Mineral oil is being extracted and refined in the Attock and Rawalpindi Districts and a cement factory is established at Wahi near Hessianabad. There is also a match factory at Shahdara and a factory for the hydrogenation and refining of oils at Ludhiana.

Administration

Prior to the amendment of the Government of India Act in 1919 the head of the administration was a Lieutenant-Governor, drawn from the ranks of the Indian Civil Service. Under the amended Act the province was raised to the status of a Governorship, with an Executive Council and Ministers, the Governor-in-Council being in charge of the Reserved Subjects and the Governor with his Ministers of the Transferred Subjects. The general system of provincial administration under this scheme is sketched in the section "Provincial Governments" (q v) where is also given a list of the Reserved and Transferred Subjects. Associated with the Governor and the Council and Ministers is an enlarged Legislative Council, with wide powers, whose scope and authority are given in the section "Legislative Councils" (q v), the system being common to all the major provinces. The business of Government is carried on through the usual Secretariat which consists of four Secretaries, designated (1) Chief, (2) Home, (3) Finance, and (4) Transferred Departments, one Deputy Secretary, two Under-Secretaries, and one Assistant Secretary. In the Public Works Department, there are five Secretaries (Chief Engineers), one in the Buildings and

Roads Branch, one in the Hydro Electric Branch and three in the Irrigation Branch, while the Legal Remembrancer is also the Secretary to Government in the Legislative Department. The head of the Police Department is Joint Secretary and of Education Department an Under Secretary to Government. The Government winter in Lahore and the summer (from the middle of May to the middle of October) in Simla. Under the Governor, the province is administered by five Commissioners (for Ambala, Jullunder, Lahore, Rawalpindi and Multan) who exercise general control over the Deputy Commissioners—29 in number—each of whom is in charge of a district.

The principal heads of Department in the province are the two Financial Commissioners (who are the highest Court of Revenue jurisdiction, and heads of the departments of Land and Separate Revenue and of Agriculture and the Court of Wards), the five Chief Engineers, the Inspector General of Police, the Director of Public Instruction, the Inspector-General of Prisons, the Inspector-General of Civil Hospitals, the Director of Public Health, the Chief Conservator of Forests, the Directors of Agriculture and Industries, the Inspector-General of Registration, the Registrar of Co-operative Credit Societies and Joint Stock Companies and the Legal Remembrancer.

Justice

The administration of justice is entrusted to a High Court, which is the final appellate authority to civil and criminal cases, and has powers of original criminal jurisdiction in cases where European British subjects are charged with serious offences and original civil jurisdiction in special cases. The Court sits at Lahore and is composed of a Chief Justice and eight Puisne Judges (either civilians or barristers), and six temporary Additional Judges, including the Inspecting Judge sanctioned each year for six months. Subordinate to the High Court are the District and Sessions Judges (25 in number) each of whom exercise civil and criminal jurisdiction in a civil and session division comprising one or more districts. In districts in which the Frontier Crimes Regulation is in force the Deputy Commissioner on the finding of a Council of Elders (Jirga) may pass sentence up to seven years' imprisonment.

Local Self Government

Local Self Government is secured in certain branches of the administration by the constitution of District Boards, each exercising authority over a district, of Municipal, Small Town, and Notified Area Committees each exercising authority over an urban area, and of Panchayats each exercising authority over a revenue estate or a compact group of revenue estates. The funds of District Boards are derived from a cess on the land revenue of the district supplemented by Government grants, profession taxes and miscellaneous fees, and those of Municipal, Small Town, and Notified Area Committees from octroi or terminal tax and other forms of taxation from Government grants and from rents and miscellaneous fees. The Panchayat system is an attempt to revive the

traditional village community organisation, the elected committee or Panchayat possessing certain powers in respect of taxation, local option, civil and criminal justice, the abatement of nuisances and other matters. Most of the members of practically all local bodies are now elected and elections are usually keenly contested.

Police

The Police force is divided into District Police, Railway Police and Criminal Investigation Department. The combined force is under the control of the Inspector-General, who is a member of the gazetted force and has under him three Deputy Inspectors-General in charge of ranges comprising several districts and a fourth Deputy Inspector-General in charge of the Criminal Investigation Department and of the Finger Print Bureau at Phillaur. There is a Police Training School at Phillaur controlled by a Principal of the rank of Superintendent of Police. The Railway Police are under an Assistant Inspector-General. The District Police are controlled by Superintendents, each of whom is in charge of a district and has under him one or more Assistant Superintendents or Deputy Superintendents.

Education

The strides which have been made in the past decade especially in the concluding years of the period, have brought the Punjab into line with the older and more forward provinces. The advance has not been confined to any one form of education but is spread over all grades and varieties. In addition to institutions maintained in all parts of the province by private enterprise, Government itself maintains fifteen arts colleges (including one for Europeans and one for women), three normal schools for males, twelve training classes, and combined institutions for females, one hundred and twenty secondary schools for boys and girls and fifty centres for vocational training. Apart from these institutions for general education, Government maintains six higher grade professional institutions, viz the King Edward Medical College and Veterinary College at Lahore, the Agricultural College at Lyallpur, the Engineering College at Moghalpura, the Central Training College Lahore and the Chelmsford Training College at Ghoragali, and two schools viz, the Medical School at Amritsar and the Engineering School at Rasul. In addition there are thirty-two technical and industrial schools (thirty for males and two for females) scattered over the province.

The Department of Education is in charge of the Minister for Education who is assisted in the work of administration by the Director of Public Instruction.

Medical

The Medical Department is controlled by the Inspector-General of Civil Hospitals, who is an officer of the Indian Medical Service holding the rank of Colonel. He is assisted by an officer designated the Assistant Inspector General of Civil Hospitals, who is at present an officer of the Indian Medical Department of the rank of a Civil Surgeon.

Public Health.

The Department of Public Health is controlled by the Director of Public Health (a member of the Indian Medical Service) who has, working under him, three Assistant Directors of Public Health, 34 District Medical Officers of Health, and twenty-eight District Sanitary Inspectors. In addition there is a temporary staff of 10 Sub Assistant Health Officers and 15 Sanitary Inspectors for assistance in combating epidemic diseases. The ancillary services comprise

(1) A Vaccine Institute which is in charge of the Assistant Director of Public Health, Punjab (Technical) Vaccination, assisted by a Superintendent and which prepares sufficient vaccine lymph to meet the needs not only of the Punjab, but of the Army in Northern India and of several provinces and Indian States in and beyond the confines of India

(2) An epidemiological bureau, which is in charge of the Epidemiologist to Government where, in addition to routine bacteriological examination, research work in matters bearing upon public health problems is carried out

(3) An Education Bureau, to which is attached a photographer and a draftsman

(4) A Chemical Laboratory in charge of a fully trained chemist whose duties comprise the chemical analysis of water samples and food stuffs

(5) A Public Health Equipment Depot which supplies Government Institutions, local bodies, etc., with reliable disinfectants, vaccine sera etc

(6) A Public Health School, the staff of which is responsible for the training of health visitors. The Principal, who is also Inspector of Health Centres, supervises the maternity and child welfare work throughout the province

In matters connected with sanitary works the Director of Public Health works in close touch with the Superintending Engineer, Public Health Circle, Punjab, who acts as technical adviser of the Public Health Department in engineering matters. This officer and the Director of Public Health are also the technical advisers of the Sanitary Board whose duty it is to examine and report upon sanitary schemes put forward by local bodies

HEADS OF ACCOUNT	Budget Estimate, 1933-34	HEADS OF ACCOUNT	Budget Estimate, 1933-34
REVENUE RECEIPTS	<i>(In thousands of Rupees)</i>		<i>(In thousands of Rupees)</i>
<i>Principal Heads of Revenue</i>			
II—Taxes on Income		XIV—Irrigation—Works for which no capital accounts are kept	1,91
V—Land Revenue (gross)	4,56.75	Total	4,22.20
Deduct—Revenue credited to Irrigation	—1.77.96		
Total Land Revenue	2,78.79	<i>Debt Services</i>	
VI—Excise	98.37	XVI—Interest	9.40
VII—Stamps	1,15.97	<i>Civil Administration</i>	
VIII—Forests	17.70	XVII—Administration of Justice	10.25
IX—Registration	3.43	XVIII—Jails and Convict Settlements	3.35
Total	5,19.26	XIX—Police	1.70
<i>Irrigation</i>		XXVI—Miscellaneous Departments	8.55
XIII—Irrigation—Works for which capital accounts are kept—		Total	23.85
Direct Receipts	4,22.74	<i>Beneficent Departments</i>	
Indirect credits (Land Revenue due to Irrigation)	1,77.96	XXI—Education	17.87
Gross amount	6,00.70	XXII—Medical	9.12
Deduct—Working Expenses	—1,80.41	XXIII—Public Health	1.35
Net XIII—Irrigation Receipts	4,20.29	XXIV—Agriculture	6.82
		XXV—Industries	3.93
		Total	39.09

HEADS OF ACCOUNT	Budget Estimate, 1933-34	HEADS OF ACCOUNT	Budget Estimate, 1933-34
<i>Buildings and Roads</i>	(In thousands of Rupees)		(In thousands of Rupees)
XXX—Civil Works	16 74	Depreciation Reserve Fund for Government Presses	39
XXX A—Hydro Electric	11,12	Revenue Reserve Fund	
Deduct—Working Expenses	—8,95	Central Road Fund	7,00
Net XXX-A—Hydro Electric scheme	2,17	Miscellaneous Government account	158
Total	18,91	Research Fund	
<i>Miscellaneous</i>		Total	38,85
XXXII—Transfers from Insurance Fund		TOTAL PROVINCIAL RECEIPTS	11,98,11
XXXIII—Receipts in aid of Superannuation	1,32	Opening Balance	—40 268
XXXIV—Stationery and Printing	2,73	Grand Total	12,38,46
XXXV—Miscellaneous	17,25	EXPENDITURE CHARGED TO REVENUE	
Total	21 30	Direct demands on the Revenue	
<i>Contributions and Assignments to Central and Provincial Governments</i>		5—Land Revenue	35,88
XXIX-A—Miscellaneous adjustments between the Central and Provincial Governments		6—Excise	9,81
XL-A—Transfers from the Revenue Reserve Fund		7—Stamps	2,01
Total Revenue Receipts	10,54,01	8—Forests	19,42
<i>Extraordinary Items</i>		9—Registration { (R) (T) }	75
XL—Extraordinary Receipts	30,74	Total	67 87
Total Revenue	10,84,75	<i>Irrigation Revenue Account</i>	
Advance from Provl Loans Fund	50,00	14 ^f —Works for which capital accounts are kept (Interest on debt)	1 36,38
LOANS AND ADVANCES BY PROVINCIAL GOVERNMENTS		15—Miscellaneous Irrigation Expenditure	10,35
Recoveries of loans and advances	24,58	Total	1,46 73
DEPOSITS AND ADVANCES		<i>Debt Services</i>	
Famine Relief Fund	1,09	19—Interest on Ordinary Debt	—21,29
Appropriations for reduction or avoidance of debt —		21—Reduction or Avoidance of Debt	27,88
Sinking Fund for Provincial Loans	1 56	Total	—6,59
Other appropriations	26,92	<i>Civil Administration</i>	
		22—General Administration (Reserved)	1,05,37
		22—General Administration (Transferred)	1 89
		24—Administration of Justice	53,14

HEADS OF ACCOUNT	Budget Estimate, 1933-34	HEADS OF ACCOUNT	Budget Estimate, 1933-34
	(In thousands of Rupees)		(In thousands of Rupees)
25—Jails and Convict Settlements	31,64	51 A—Miscellaneous adjustments between the Central and Provincial Governments	
26—Police	1,20,99		
37—Miscellaneous Departments (Reserved)	1,43	Total	
37—Miscellaneous Departments (Transferred)	24	Extraordinary Items	
Total	3,14,70	52—Extraordinary charges	
Beneficent Departments		62-I—Transfers to Revenue Reserve Fund	
30—Scientific Departments	23	Total Revenue Expenditure charged to Revenue	10,25,28
31—Education (Reserved)	5,42	CAPITAL EXPENDITURE CHARGED TO REVENUE	
31—Education (Transferred)	1,50,60	8 A—Forests	3,66
32—Medical { (R) (T)	10 44,47	16—Irrigation Works	
33—Public Health	11,63	35 A—Industrial Development ..	
34—Agriculture	44,38	41-A—Civil Works	4,55
35—Industries	12,03	41-B—Hydro Electric Scheme	
Total	2,68,86	45-A—Commutation of Pensions	
Buildings and Roads		Total Capital Expenditure charged to Revenue	8,21
41—Civil Works { Reserved Transferred	1,26 91,92	Total Expenditure charged to Revenue	10,33,49
41 C—Civil Works, Hydro Electric Scheme—Interest on Capital Outlay	30,17	Capital Expenditure not charged to Revenue	
Total	1,23,35	52-A—Forest Capital Expenditure	
Miscellaneous		55—Construction of Irrigation Navigation Embankment and Drainage Works	26,10
43—Famine ..	2 00	56-C—Industrial Development Capital Expenditure	
45—Superannuation Allowances and Pensions	60,23	58—Hydro Electric Scheme Capital Expenditure	67,54
46—Stationery and Printing (Reserved)	9,15	60—Civil Works—Capital Expenditure	
46—Stationery and Printing (Transferred)	69	60 B—Payment of Commuted value of Pensions Capital Expenditure	11,13
47—Miscellaneous (Reserved)	715	Total Capital Expenditure not charged to Revenue	1,04,77
47—Miscellaneous (Transferred)	17,96	Loans raised in the Market —	
Total	97,18	6½ per cent Punjab Bonds, 1933	1,04
Contributions and Assignments		5½ " " " 1937	48
51—Contribution to the Central Government		Total	1,52

PUNJAB LEGISLATIVE COUNCIL

The Hon'ble Chaudhri, Sir Shahab ud-Din, Kt, K B, Kangra-cum Gurdaspur (Muhammadan)
Rural - President

MEMBERS AND MINISTERS

For Office

The Hon'ble Captain Sirdar Sikander Hyat Khan, M B E, K B, Revenue Member to Government, Punjab

The Hon'ble Sir Henry Craik, Bart, C S I, I C S, Finance Member to Government, Punjab

The Hon'ble Sirdar Sir Jogendra Singh, Kt, Minister for Agriculture (Sikh), Landholders

The Hon'ble Malik Iqbal Khan, Noon, Minister for Education, Shahpur East (Muhammadan)
Rural

The Hon'ble Dr Gokul Chand Narang, M A, Ph D, Minister for Local Self Government (North-West Towns Non-Muhammadan), Urban

NOMINATED

Officials

Anderson, Mr J D, I C S, Legal Remembrancer and Secretary to Government, Legislative Department

Boyd, Mr D J, C I E, I C S, Financial Commissioner, Development

Fazal Habi, Khan Sahib Shaikh, Director, Information Bureau

Hearn, Mr J W, I C S, Home Secretary to Government

Malhotra, Major R C, O B E, D P H, I M S, Director of Public Health

Marsden, Mr P, I C S, Secretary to Government, Transferred Departments

Miles Iwing, Mr, C I L, O B E, I C S, Financial Commissioner, Revenue

Ogilvie, Mr C M G, C B E, I C S, Secretary to Government, Finance Department

Sanderson, Mr L, M A, I E S, Director of Public Instruction

Puckle, Mr F H, C I F, I C S, Chief Secretary to Government

Starg, Mr B M, I C S, Joint Secretary to Government, Industries Department

Murphy, Mr A, O B E, Chief Engineer, Public Works Department, Irrigation Branch

Non officials

Ghani, Mr M A

Junmeja Singh, Captain, Sirdar Bahadur Sirdar,
O B E

Lal Bahadur Shastri, Lal Bahadur

Maya Das, Mr Dinest, B A

Mushtaq Ahmad, Gurmiani, Khan Bahadur,
Miran

Rahim Bakhsh, Maulvi, Sir, K C I F

Roberts, Mr Owen

Shave, Dr (Mrs) M C

Sheo Narain Singh, Sardar Bahadur Sirdar,
C I E

Representative of Labouring Classes

Representative of the Punjab Officers and
Soldiers of His Majesty's Indian Forces

Representative of General Interests

Representative of Indian Christians

Representative of General Interests

Representative of General Interests

Representative of the European and Anglo
Indian Communities

Representative of the European and Anglo-
Indian Communities

Representative of General Interests

ELECTED

Name of Member	Constituency
Abdul Ghani Shaikh	West Punjab Towns (Muhammadan), Urban
Ahmad Yar Khan, Daultana, Khan Bahadur Miran	(Muhammadan), Landholders
Akbar Ali, Pir, B A, LL B	Ferozepore (Muhammadan), Rural
Allah Dad Khan, Chaudhri, B A	Ambala Division, North East (Muhammadan), Rural
Arjun Singh, Sardar, B A, LL B	Hoshiarpur and Kangra (Sikh), Rural
Bahadur Khan Sirdar, M B E	Dera Ghazi Khan (Muhammadan), Rural
Bilbir Singh, Rao Bahadur Captain, Rao, O B L	Gurgaon (Non-Muhammadan), Rural
Bansi Lal, Chaudhri	Lahore City (Non-Muhammadan), Urban
Bhagat Ram, Lal	Jullundur cum Ludhiana (Non-Muhammadan), Rural
Bishan Singh, Sirdar	Sialkot cum Gurdaspur (Sikh), Rural
Buta Singh, Sirdar Bahadur Sardar, B A, LL B	Multan Division and Sheikhupura (Sikh), Rural
Chetan Anand, Lal, B A, LL B	West Punjab Towns (Non-Muhammadan), Urban
Chhotu Ram, Rao Bahadur Chaudhri, B A, LL B	South-East Rohtak (Non-Muhammadan), Rural
Chowdhry, Mr Sujan Kumar	Hissar (Non-Muhammadan), Rural
Din Muhammad, Khan Bahadur Shaikh, M A, LL B	East and West Central Towns (Muhammadan), Urban
Faqir Hussain Khan, Chaudhri	Amritsar (Muhammadan), Rural
Fazl Ali, Khan Bahadur Nawab Chaudhri, O B E	Gujrat East (Muhammadan), Urban

Burma.

The Province of Burma lies between Assam on the North-West and China on the North-East, and between the Bay of Bengal on the West and South-West and Slam on the South-East. Its area is approximately 261,000 square miles, of which 192,000 are under direct British Administration, 7,000 are unadministered and 62,000 belong to semi-independent Native States. The main geographical feature of the country is the series of rivers and hills running fan-like from North to South with fertile valleys in between widening and flattening out as they approach the Delta. Differences of elevation and rainfall produce great variations in climate. The coastal tracts of Arakan and Tenasserim have a rainfall of about 200 inches, the Delta less than half that amount. The hot season is short and the monsoon breaks early. The maximum shade temperature is about 96°, the minimum about 60°. North of the Delta the rainfall decreases rapidly to 30 inches in the central dry zone which lies in a "rain shadow" and has a climate resembling that of Bihar. The maximum temperature is twenty degrees higher than in the wet zone, but this is compensated by a bracing cold season. To the north and east of the dry zone lie the Kachin hills and the Shan plateau. The average elevation of this tableland is 3,000 feet with peaks rising to 9,000. Consequently it enjoys a temperate climate with a rainfall of about 70 inches on the average. Its area is over 50,000 square miles. There is no other region of similar area in the Indian Empire so well adapted for European colonization. The magnificent rivers, the number of hilly ranges (Yomas) and the abundance of forests, all combine to make the scenery of Burma exceedingly varied and picturesque.

The People

The total population of Burma at the census of 1931 was 14,667,146. There were 9,092,214 Burmans, 1,037,406 Shans, 1,367,673 Karens, 153,345 Kachins, 348,994 Chins, 534,985 Arakanese and Yanbye, 336,728 Talaiings and 138,739 Palaungs. There is also a large alien population of 193,594 Chinese and 1,017,825 Indians, while the European and Anglo-Indian population numbered 30,441, and Indo-Burmans, 182,166.

The Burmans, who form the bulk of the population, belong to the Tibetan group and their language to the Tibeto-Chinese family. They are essentially an agricultural people, 80 per cent of the agriculture of the country being in their hands. The Burmese and most of the hill tribes also, profess Buddhism, but Animism, or the worship of nature spirits, is almost universal. The interest taken by the Burmese in the course of the war, their response to the call for recruits and their generous contributions to war loans and charitable funds seem to show that their apathy towards the government of the country is giving way to an intelligent loyalty to British rule.

In appearance the Burman is usually somewhat short and thick set with Mongolian

features. His dress is most distinctive and exceedingly comfortable. It consists of a silk handkerchief bound round his forehead, a loose jacket on his body and a long skirt or longyi tied round his waist, reaching to his ankles. The Burmese women, perhaps the most pleasing type of womanhood in the East, lead a free and open life, playing a large part in the household economy and in petty trading. Their dress is somewhat similar to the men's minus the silk kerchief on the head, and the longyi is tucked in at the side instead of being tied in front. A well dressed and well groomed Burmese lady would, for grace and neatness, challenge comparison with any woman in the world.

Communications

The Irrawaddy, and to a less extent the Chindwin, afford great natural thoroughfares to the country. At all seasons of the year these rivers, especially the Irrawaddy, are full of sailing and steam craft. In the Delta the net-work of waterways is indeed practically the only means of communication. The Irrawaddy Flotilla Company, with a fine fleet of mail, cargo and ferry boats, gives the Irrawaddy and the Delta rivers and creeks a splendid river service.

The Burma Railways has a length of 2,057.25 miles open line. The principal lines are from Rangoon to Mandalay, from Mandalay to Myittha, the most northern point in the system, the Rangoon-Prome line, and the Pegu-Martaban line, which serves Moulmein on the further bank of the Salween River.

Industry

Agriculture is the chief industry of the province and supports nearly three-fourths of the population. The net total cropped area is 16½ million acres of which nearly ½ million acres are cropped more than once. Irrigation works supply water to nearly 1 million acres. India is very largely dependent on Burma for her supplies of kerosene, benzine and petrol which rank second to rice in order of importance. Teak wood is exported in large quantities from Burma to India.

Forests play an important part in the industrial life of the Province. The forest reserves cover some 34,705 square miles, while unclassified forests are estimated at about 1,48,576 square miles. Government extracts some 72,731 tons of teak annually, private firms, of whom the Bombay Burma Trading Corporation and Steel Brothers are the chief, extract over 2,52,297 tons. Other timber extracted by licensees amounts to over 2,37,804 tons and firewood over 10,45,161 tons.

Tin and wolfram are found chiefly in the Tavoy and Mergui Districts. Wolfram and tin are found together in most mining areas in Tavoy, the proportion varying from almost pure tin to almost pure wolfram. There has been an improvement in the price of tin.

There was a slight improvement in the output of tin and wolfram during the year 1932, as compared with the output of 1931. Silver lead

and zinc ore are extracted by the Burma Corporation at Bawdwin in the Northern Shan States. Copper in small quantities is also found there. There are small deposits of Molybdenite in Tavoy and Mergul and of platinum in Mithkha. The Burma Ruby Mines, Ltd. which had the sole right to work for precious stones in the Mogoke Stone Tract of the Katha District surrendered their lease on the 30th June 1931. Mining is now carried out by native miners working under licenses. There was no output of precious stones from the ruby mines in 1932. The output of amber in 1932 was 11,412 cwt. The output of Burmese Jadeite during 1932 compared with that of the previous year showed an increase of 260.74 cwt. but the value depreciated considerably owing mainly to the inferior quality of mineral obtained. Conditions in China also contributed to a fall in value. The oldest and largest oil field in the province is at Yenangyaung in the Magwe District where the Burma Oil Company has its chief wells. There was a decrease in the output from the wells in the Yenangyaung oilfield due to a natural decline in the production of the wells. There was an increase in the output of the Chindwin District which is ascribed to five new wells in the Indaw Oilfield being brought into operation during the year. There was also an increase in the output in the Pakokku District due to the greater activity of the operators. The output of petroleum during 1932 exceeded that of 1931 by 3,655,727 gallons the increase being mainly from wells in the Pakokku District and the Chauk Oilfield of the Magwe District. The Burma Oil Company take their oil to the refineries at Rangoon by pipe line from the Yenangyaung and Singu Oilfields. Other companies take it down by river flats. The area under rubber is 1,10,115 acres.

Manufactures

There are 1,093 factories, more than half of which are engaged in milling rice and nearly one seventh are sawmills. The remainder are chiefly engineering works, cotton ginning mills, oil mills for the extraction of oil from groundnuts, printing presses, ice and aerated water factories and oil refineries connected with the petroleum industry. The total number of persons employed in establishments under the Indian Factories Act in 1932 was 90,578. Perennial factories employed 42,652 and seasonal factories 47,926. At the Census of 1931, 1,850,176 or 29.79 per cent of the total population were engaged outside agriculture and production.

As is the case in other parts of the Indian Empire, the imported and factory made article is rapidly ousting the home made and indigenous. But at Amarapura in the Mandalay District a revival has taken place of hand silk-weaving. Burmese wood-carving is still famous and many artists in silver still remain, the finish of whose work is sometimes very fine. Bassein and Mandalay parasols are well known and much admired in Burma. But perhaps the most famous of all hand-made and indigenous industries is the lacquer work of Pagan with its delicate patterns in black, green, and yellow traced on a ground-work of red lacquer over bamboo. A new art is the making of bronze figures. The artists have gone back to nature for their models, breaking away from the con-

ventionalized forms into which their silver work had crystallized and the new figures display a vigour and life that make them by far the finest examples of art the province can produce.

Administration

Burma, which was at that time administered as a Lieutenant-Governorship, was deliberately excluded from the operation of the Reform Act of 1919. It was felt that the Province differed so markedly from the other Provinces in the Indian Empire that its requirements should be separately considered. After repeated discussions the question was referred to a special Burma Reforms Committee, which in 1922 recommended that all the essential provisions of the Reform Act should be applied to the Province. This recommendation was accepted and its proposals became law. Under this Act Burma became a Governor's Province, with an executive council and ministers, and conforms to the provisions created under the Act of 1919 (q.v.). The main difference is in the size of the electorate. Under the franchise accepted, the rural electorate is estimated at 1,070,150 and the urban electorate has been put as high as 99,932. The Legislative Council consists of 103 members, of which 80 are elected and the balance nominated. Owing to the special status of women in Burma female franchise was adopted from the beginning.

Burma is divided administratively into Upper Burma (including the Shan States and Chin Hills) and Lower Burma. The Shan States are administered by the Chiefs of the States, subject to the supervision of the Commissioner, Federated Shan States who is also Superintendent for the Southern Shan States and the Superintendent of the Northern Shan States. The Northern and Southern Shan States were formed into a Federation on the 1st October 1922 and are designated the F. S. States. The other Shan States in Burma are subject to the supervision of the Commissioner, Singing Division. The Civil, Criminal and Revenue administration is vested in the Chief of the State, subject to the restrictions contained in the sand. The law administered is the customary law of the State.

Under the Governor are eight Commissioners of divisions, three in Upper, four in Lower Burma, and one in the Federated Shan States.

Justice

The administration of Civil and Criminal Justice is under the control of the High Court of Judicature at Rangoon, which consists of a Chief Justice and ten other permanent Judges. The Superior Judicial Service consists of District and Sessions Judges there are also separate Provincial and Subordinate Judicial Services.

All village headmen have limited magisterial powers and a considerable number are also invested with civil jurisdiction to a limited extent.

In pursuance of the policy of decentralization steps were taken in 1917 to restore to the village headmen the power and influence which they possessed in Burmese times before the centralizing tendencies of British rule made them practically subordinate officers of the administration.

Public Works

The P W D comprises two Branches, viz, the B & R Branch the Irrigation Branch

The B & R Branch of this Department which is under the Ministry of Forests is administered by one Chief Engineer. There is also a Personal Assistant to the Chief Engineer. There are four permanent Superintending Engineers in charge of Circles, two of which are stationed at Rangoon and two at Maymyo. One post of Superintending Engineer has continued to be in abeyance for reasons of retrenchment. These are officers of the administrative rank.

Those of the executive rank are the Executive Engineers and Assistant Executive Engineers who number 25 (twenty five), including the Personal Assistant to the Chief Engineer, on the cadre of the Indian Service of Engineers. Besides this there is also the Burma Engineering Service (Class I) which has been constituted for the purpose of gradually replacing the Indian Service of Engineers in the B & R Branch, so far 18 appointments have been made to the latter service. There are 16 officers in service at present.

Further, there are the following officers belonging to the specialist services who are stationed at Rangoon —

- (1) One Superintending Engineer, Public Health Circle
- (2) Two Sanitary Engineers
- (3) One Electrical Inspector
- (4) Two Electrical Engineers
- (5) One Consulting Architect
- (6) One Superintendent of Stores
- (7) One Assistant Superintendent of Stores

The Irrigation Branch of the P W D, which is under the control of the Hon'ble Finance Member, is administered by the Chief Engineer, P W D, Burma Irrigation Branch, who is assisted by a Personal Asstt. There are four permanent Superintending Engineers in charge of Circles, two of whom are stationed at Rangoon and two at Maymyo. One of these posts in the headquarters at Rangoon is temporarily held in abeyance on account of the financial stringency. These are officers of the Administrative rank.

Those of the Executive rank are the Executive Engineers and Asst Executive Engineers who number 20 on this cadre of the Indian Service of Engineers. Besides this there is also the Burma Engineering Service, which is a Provincial Service.

Further, there is a River Training Expert. On account of reduction of works due to the financial stringency the number of temporary Engineers recruited locally and in England to augment the permanent staff has been reduced to one each.

Police

The Police Force is divided into Civil, Military and Rangoon Town Police. The first two are under the control of the Inspector General of Police, the latter is under the orders of the Commissioner of Police, Rangoon, an officer of the rank of Deputy Inspector-General. There are five other Deputy Inspectors General, one each for the Northern, Southern and Western Ranges, one for the Railway and Criminal Investigation Department, and one for the Military Police.

A special feature of Burma is the Military Police. Its officers are deputed from the Indian Army. The rank and file are recruited

from natives of India with a few Kachins, Karens and Chins. The experiment of recruiting Burmese on a small scale has been successful. The organisation is military, the force being divided into battalions. The object of the force is to supplement the regular troops in Burma. Their duties, apart from their military work, are to provide escorts for specie, prisoners, etc., and guards for Treasuries, Jails and Courts.

Education.

Under the Minister for Education there is the Director of Public Instruction with an Assistant Director, both belonging to the Indian Educational Service. There are nine Inspectors of Schools drawn from the Indian Educational Service, and the Burma Educational Service (class I) while the Burma Educational Service (class II) provides seven Assistant Inspectors. There is one Asstt Inspector of School Physical Training, appointed on a Temporary basis. There are also two Inspectresses of Schools. There is a Chief Educational Officer for the Federated Shan States.

A centralized, teaching and residential University for Burma, has been established in Rangoon. It now provides courses in Arts, Science, Law, Education, Economics, Engineering, Medicine and Forestry.

English and A V Schools are controlled by the Education Dept. A remarkable feature of education in Burma is the system of elementary education evolved, generations ago, by the genius of the people. Nearly every village has a monastery (hpoongyi-kyaung), every monastery is a village school and every Burman boy must, in accordance with his religion, attend that school, shaving his head and for the time wearing the yellow robe. At the hpoongyi-kyaungs the boys are taught reading and writing and an elementary native system of arithmetic. The result is that there are very few boys in Burma who are not able to read and write. Vernacular education is in the hands of Local Educational authorities.

Among special institutions, the Government Technical Institute, Insein, provides courses in Mechanical, Civil and Electrical Engineering and the Agricultural College, Mandalay, courses in Agriculture. The Mary Chapman Training College for Teachers and School for the Deaf exists in Rangoon and schools for the blind, at Moulmein and Rangoon.

A liberal scheme of State Scholarships provides for the despatch of 12 scholars to Europe each year.

Medical

The control of the Medical Department is vested in an Inspector-General of Civil Hospitals. Under him are 37 Civil Surgeons. There is also a Director of Public Health, two Assistant Directors of Public Health, the senior of whom is also Director, Public Health Institute, at which there is now a Public Analyst (which post is at present held in abeyance for purposes of economy) and to which is also attached a Malaria Bureau, an Inspector General of Prisons, three whole time Superintendents of Prisons, a Chemical Examiner and Bacteriologist and a Superintendent of the Mental Hospital. There is also a post of Hygiene Publicity Officer, which for the present is held in abeyance.

The Pasteur Institute was opened in Rangoon in July 1915. The Director is a member of the Indian Medical Service,

THE FINANCES OF BURMA

In common with the other Provinces of India, the financial arrangements between the Government of India and the Government of Burma underwent a remodelling in consequence of the reconstitution of the Province on the lines of the other Indian Provinces. The Province obtained substantial financial independence. The present position is set out in the following statement—

ESTIMATED RECEIPTS FOR 1933-34		ESTIMATED DISBURSEMENTS FOR 1933-34	
(A) REVENUE RECEIPTS—ORDINARY		(A) EXPENDITURE CHARGED TO REVENUE	
	Rs		Rs
Taxes on Income		Land Revenue	58,06,000
Salt	5,06,000	Excise	18,61,000
Land Revenue	5,37,50,000	Stamps	1,29,000
Excise	88,85,000	Forest	67,22,000
Stamps	59,96,000	(A) Forest Capital Outlay	54,000
Forest	88,32,000	Registration	1,04,000
Registration	5,58,000	Scheduled Taxes	2,000
Scheduled Taxes	13,48,000	Interest on Works with Capital Accounts	27,50,000
Irrigation, etc., Works with Capital Accounts	36,25,000	Other Revenue Expenditure	4,89,000
Irrigation, etc., Works (No Capital Accounts)	1,63,000	Construction of Irrigation, etc., Works	—1,36,000
Interest	8,27,000	Interest on Ordinary Debt	—1,36,000
Administration of Justice	9,62,000	Interest on other Obligations	
Jails and Convict Settlements	8,33,000	Appropriation for Reduction or Avoidance of Debt	12,85,000
Police	10,49,000	General Administration	97,93,000
Ports and Pilotage	2,09,000	Administration of Justice	59,87,000
Education	5,42,000	Jails and Convict Settlements	13,02,000
Medical	1,07,000	Police	1,78,77,000
Public Health	1,49,000	Ports and Pilotage	7,10,000
Agriculture	1,32,000	Scientific Departments	55,000
Industries	10,000	Education	84,71,000
Miscellaneous Departments	5,03,000	Medical	39,55,000
Civil Works	11,34,000	Public Health	10,19,000
Receipts in Aid of Superannuation	93,000	Agriculture	17,34,000
Stationery and Printing	1,55,000	Industries	2,50,000
Miscellaneous	19,45,000	Miscellaneous Departments	3,71,000
		Civil Works	92,35,000
Total (a)	9,26,13,000	Finance	
		Superannuation Allowances and Pensions	62,65,000
(b) REVENUE RECEIPTS—EXTRAORDINARY		Stationery and Printing	8,99,000
Extraordinary Receipts		Miscellaneous	10,86,000
		Extraordinary Charges	
Total (a) & (b)	9,26,13,000	Total (a)	8,99,95,000
		(B) EXPENDITURE NOT CHARGED TO REVENUE	
(c) DEBT HEADS		Capital Outlay on Forests	
Appropriation for Reduction or Avoidance of Debt	12,85,000	Construction of Irrigation, etc., Works	27,85,000
Depreciation Fund—Government Presses	89,500	Civil Works	4,16,000
Depreciation Fund—Commercial Concerns		Other Provincial Works	
Loans and Advances by Provincial Government	31,32,700	Payment of Commuted Value of Pensions	4,38,000
Civil Deposits	8,82,800	Payments to Retrenched Personnel	21,000
Advances from Provincial Loans Fund		Total (b)	36,60,000
Total (c)	53,90,000	Total (a) & (b)	9,36,55,000
Total (a), (b) & (c)	9,80,03,000	(C) DEBT HEADS	
Opening Balance	1,000	Depreciation Fund—Government Presses	43,000
Grand Total	9,80,04,000	Loans and Advances	19,51,200
		Civil Deposits	32,800
		Advances from Provincial Loans Fund	16,44,000
		Total (c)	36,71,000
		Total (a), (b) & (c)	9,73,36,000
		Closing Balance	6,78,000
		Grand Total	9,80,04,000

Administration

Governor, H E Sir Hugh Lindsay
Stephenson KCSI K CIE

Private Secretary Captain Frederick William
Springett Watkins, The Scinde Horse

Aides-de-Camp Lieutenant D C S Sinclair,
2nd Batta The Royal Berkshire Regiment,
S V McCoy 2nd Lancers (Gardner's Horse)

Honorary Aides-de-Camp, Lieutenant Colonel
A Lethbridge IA Captain P C H Lane,
RIM

Indian Aides de Camp, Subadar Major Lasing
Gam, late of the 3-20th Burma Rifles, Nub
Commandant Attar Mohamed Khan Khan
Bihadur Reserve Batta, Burma Military
Police

EXECUTIVE COUNCIL

The Hon'ble Mr Thomas Couper, CSI, MA, ICS

The Hon'ble U Ba, KSM, BA

Ministers.

The Hon U Ba Pe

The Hon Dr Ba Maw

Miscellaneous Appointments

Director of Agriculture, A McKerral, CIE, MA,
BSC

Commissioner, Federated Shan States, Taunggyi
Southern Shan States, J Clague, CIE, ICS

Superintendent, Northern Shan States, J Shaw

Director of Public Instruction, J M Symms, MA,
IFS

Inspector-General of Police, Lt-Col C de
M Wellborne, OBE, IA

Chief Conservator of Forests, S F Hopwood, MC

Inspector General of Civil Hospitals, Col
C A Gill, KHS, MRCP (Lon), DPH
(Eng), DTM & H (Lon), IMS

Director of Public Health, Major E Cotter, MB,
DPH

Inspector-General of Prisons, Lt-Col P. K Tara-
pore, IMS

Commissioner of Excise, A R Morris, BA, ICS

Financial Commissioner (Reserved Subjects),
I G Lloyd, BA, ICS

Postmaster General, G A Hopkins

Chief Commissioners of Burma

Lieut-Colonel A P Phayre, CB 1862

Colonel A Lytche, CSI 1867

Lieut-Colonel R D Ardagh 1870

The Hon Ashley Eden, CSI 1871

A R Thompson, CSI 1875

C U Aitchison, CSI 1878

C E Bernard, CSI 1880

C H T Crosthwaite 1886

Sir C E Bernard, KCSI 1883

C H T Crosthwaite, CSI 1887

A P MacDonnell, CSI (a) 1889

Alexander Mackenzie, CSI 1890

D M Smeaton 1892

Sir F W R Fryer, KCSI 1895

(a) Afterwards (by creation) Baron

MacDonnell

Lieutenant-Governors of Burma

Sir F W R Fryer, KCSI 1897

Sir H S Barnes, KCSI, KCVO 1903

Sir H T White, KCI 1905

Sir Harvey Adamson, Kt, KCSI, LL D 1910

Sir Harcourt Butler, KCSI, CIE 1915

Sir Reginald Craddock, KCSI 1917

Governors of Burma

Sir Harcourt Butler, GCIR, KCSI 1922

Sir Charles Innes, KCSI K CIE, ICS 1927

Sir Hugh Lindsay Stephenson, KCSI,
KCIR 1932

SECRETARIES, DEPUTY SECRETARIES, UNDER-SECRETARIES, Etc.,
TO GOVERNMENT

W Booth Gravely, CIE, MA, ICS

W H Payton, BA, ICS

H G Wilkie, BA, ICS

G N Martin, ICS

R G McDowall, MA, ICS

P C Fogarty, BA, ICS

U Saw Hla Pru (2), ATM

R M MacDougall, MA, ICS

A H Seymour, MA, ICS

A K Potter, BA, ICS

F B Arnold, BA, ICS

U Aung Than (1), BA

Raj Sahib S B Ghosh, BA, BL

I Kyaw Din, ATM, BA

D Fishwick, BA, ICS

U Kym, MSc, ICS

C S Sastri, BA

H W Boyne

W A Curties

P N Sen

J N B Rosario

C Pullaya Sastri

Chief Secretary, Home and Political Department

Secretary, Finance Department

Secretary, Education Department

Secretary, Revenue Department

Secretary, Reforms Office

Secretary, Forest Department

Secretary, Judicial Department

Secretary, Local Government Department

Deputy Secretary, Finance Department

Under Secretary, Home and Political Department

Under Secretary, Finance Department

Under-Secretary, Forest Department

Under-Secretary, Revenue Department

Under Secretary, Judicial Department

Under-Secretary, Local Government Department

Under-Secretary, Education Department

Assistant Secretary, Finance Department

Assistant Secretary, Home and Political Department

Registrar, Home and Political and Judicial Departments

Registrar, Education and Local Government Departments

Registrar, Finance and Revenue Departments

Registrar, Forest Department

FINANCIAL COMMISSIONER

I G Lloyd, CSI, BA, ICS

A J S White, OBE, BA, ICS

B K Biswas, BSC

Financial Commissioner

Secretary to Financial Commissioner

Registrar.

BURMA LEGISLATIVE COUNCIL.

PRESIDENT

The Hon'ble Sir Oscar de Glinville, Kt C I R
O B I, Bar at-Law

DEPUTY PRESIDENT

Saw Pe Tha, Bar at-Law

SECRETARY

U Ba Dun, Bar at Law

ASSISTANT SECRETARY

H M Elliot

Ex Officio Members

OFFICIALS

The Hon ble Mr Thomas Couper, C S I, I C S
The Hon ble U Ba, K S M, B A

MINISTERS

The Hon U Ba Pe
The Hon Dr Ba Maw

Nominated Members

OFFICIALS

Harry Tomkinson, C I R, C B F, I C S
Walter Booth Gravelly, C I R, I C S
Philip Christopher Fogarty, I C S
Vacant
Vacant
Vacant
Raibeart MacIntyre MacDougall, I C S
Wilfrid Hugh Payton, I C S
Hugh Graham Wilkie, I C S
A Mekerratt, C I E
Colonel Clifford Allehm Gill, K H S, I M S
A R Momi, I C S
R C Morris

Non Officials

Arthur Eggar, Bar at Law
John Arnold Cherry, C I E, Bar at-Law
U Po Lin, T P S, Land owner
Dr N N Parakk, L F P & L M S (Glas), L S A
(Lond), Medical Practitioner
A M M Vellayyan Chettiar
U Po Yin, K S M, Merchant
E P Pillay
R B Howism

ELECTED MEMBERS

U San Shwe Bu
U Kun, Bar at Law
U Po Yin, A T M
U Ba Shwe
U Maung Maung Gyi
U Ba Than
U Chit Hlung, Bar-at Law
Daw Hnin Ma
U Ba Than

J. Choon Young
U Tun Aung
Khao Hock Chuan
R K Cho-ee
B N Das
Ganga Singh
M M Rall Bar at-Law
S A S Tavabji
Vacant
Jilla Mohamed Khan
A M A Kareem Gannal
U Jun Baw
Sra Shwe Ba, T P S
U Shwe Nym
Saw Pe Tha, Bar at Law
Vacant
U Ba Thein
U Shway Tha
U Pho Khum
U Po Mya
U So Nym, Bar at Law
Ramri U Maung Maung
U Thin Maung
U Saw
U Kyaw Din, Bar at-Law
Dr Pa Yin
U Paw U
U Sein Ba
U Ba Tin
U Nym
U Kyaw Dun
U Ba Saw
U Jun Min
U Po Maung
U Ba Thung
U Mya
The Hon ble Sir T A Maung Gyi, Kt,
Bar at Law
U Pu
U Tha Gyaw
U Thu
U Ni, Bar at Law
U Ba Chaw
U Po Thein
U Kyi Myint, K S M
U Kyi Gang, Bar at-Law
U Mya Tha Dun
U Maung Gyecc, Bar at-Law
U Lu Pe
U Sein Win
Vacant
U Min Oh
Khoo Lock Chuan
U Maung Gyi (Letpadan)
C P Khin Maung
U On Maung
U San Lu
U Ba Tin
U Ba
U Ba Thaw
Dr Ba Maw, Bar-at-Law
C H Campagnie, M B F, Bar at-Law
Sir Oscar de Glinville, Kt, C I E, O B I, Bar at
Law
R T Stoneham
C S Wodehouse
U Ba Glay
Chin Chor Khme
W C Penn
U Tun Pe
Khan Bahadur Ahmed Chandoo

Bihar and Orissa.

135

Bihar and Orissa lies between 19°-02' and 27°-30' N latitude and between 82°-31' and 88°-26' E longitude and includes the three provinces of Bihar, Orissa and Chota Nagpur, and is bounded on the north by Nepal and the Darjeeling district of Bengal, on the east by Bengal and the Bay of Bengal, on the south by the Bay of Bengal and Madras, and on the west by the United Provinces of Agra and Oudh and the Central Provinces

Industries *

The principal industry is agriculture, Bihar, more especially North Bihar, being the "Garden of India". Rice is the staple crop but the spring crops, wheat, barley, and the like are of considerable importance. It is estimated that the normal area cultivated with rice is 14,091,300 acres or about 48 per cent of the cropped area of the Province. Wheat is grown on 1,220,000 acres, barley on 1,356,400 acres, maize or Indian-corn on 1,644,700 acres, the latter being an autumn crop. Oil seeds are an important crop, the cultivation having been estimated by the demand for them in Europe. It is estimated that 1,876,800 acres of land are annually cropped with oil-seeds in the Province. There is irrigation in Shahabad, Gaya, Patna and Champaran districts in Bihar and in Balasore and Cuttack in Orissa. The Indigo industry is steadily on the decline, the total area sown having decreased from 342,000 acres in 1896 to 25,000 acres in 1923. The principal cause of this was the discovery of the possibilities of manufacturing synthetic or chemically prepared indigo on a commercial scale. Its place as a crop manufactured for export has been largely taken by sugarcane, the cultivation of which has been considerably extended owing to the high prices given by sugar factories in the district of Tirhut and in Orissa, and parts of the Tirhut Division. Jute is grown, but the recent serious famine was in 1895-96, but there according to the price of jute. The last year in which monsoon currents from the Bay of Bengal or the Arabian Sea are unduly late in their arrival or cease abruptly before the middle of September the agricultural situation is very grave. It may be said that for Bihar the most important rainfall is that known as the Patna, due towards the end of September or up to middle of October. Rain at this time not only contributes materially to an increased outturn of the rice crop, but also provides the moisture necessary for starting the spring or *rabi* crops.

Manufactures

Opium was formerly, with indigo, the chief manufactured product of Bihar, but in consequence of the agreement with the Chinese Government the Patna Factory has been closed. At Monghyr the Peninsular Tobacco Company have erected one of the largest cigarette factories in the world and as a result tobacco is being grown much more extensively. The Tata Iron and Steel Works at Jamshedpur in Singhbhum district are also one of the largest in the world and numerous subsidiary industries are springing up in their vicinity. The most important of these are the Tinplate Company of India, Agricultural Implements, Ltd. Ltd.

The People

The Province has a population of 42,329,583 persons. Every square mile with 451 persons per square mile, Bihar and Orissa is more thickly populated than Germany. There are only four towns, which can be classed as cities, namely, Patna, Gaya, Jamshedpur and Bhagalpur. During the last ten years the population of Patna has been steadily increasing. Hindus form an overwhelming majority of the population. Though the Muhammadans form about one tenth of the total population they constitute more than one fifth of urban population of the province. Animists account for 1.9 per cent. These are inhabitants of the Chota Nagpur plateau and the Santal Parganas, the latter district being a continuation of the plateau in a northerly direction.

* The figures given in this paragraph relate to British territory only

Young Gov. F.

at Law
IF, OFF, F.

Cable Company of India, Laminated Ironware, Limited, and Indian Steel Wire Products. The population of Jamshedpur is rapidly approaching 100,000 and it consumes 1½ million tons of coal annually. This part of the province has also some of the richest and most extensive iron mines in the world and supplies the iron and steel works in both Bengal and Bihar and Orissa with raw materials, but the raising of coal is still the most important of the mineral industries in the province. The coalfields in the Manbhum District have undergone an extraordinary development in the past twenty years, while valuable new fields are being developed at Ramgarh, Bokaro and Karanpura in Hazaribagh. This same district is the most important mica mining centre in the world both on account of the quality as well as the size of its output. Manbhum, Palamau Ranchi, the Santal Parganas and Gava are also the chief centres for the production of lac and the manufacture of shellac, the latter of which is exported from India to the value of ten crores annually.

Administration

The Province on first constitution was administered by a Lieutenant-Governor in Council, thus being unique in India as the only Lieutenant Governorship with a Council. Under the Reform Act of 1919 it was raised to the status of a Governorship, with an Executive Council and Ministers. The principles of the provincial administration are fully explained in the section. The Provincial Governorships, where the division of the administration into Reserved Subjects, in charge of the Governor and his Executive Council, and Transferred Subjects, in charge of the Governor and Ministers chosen from the Legislative Council, is set out in detail. In all these respects Bihar and Orissa is on the same plane as the other Provinces in India.

Public Works

The Public Works Department in the Province of Bihar and Orissa consists of two separate branches, viz—(1) the Buildings and Roads which includes Railways and the Public Health Engineering Branch and (2) Irrigation. Each has a Chief Engineer, who is also Secretary to the Local Government with an Engineer Officer as Under-Secretary in the Buildings and Roads branch and a non-professional Assistant Secretary in the Irrigation branch under him. The Electrical work of the Province is carried out by an Electric Inspector and an Electrical Engineer and a staff of subordinates.

Justice

The administration of justice is controlled by the High Court of Judicature at Patna. In the administration of civil justice below the High Court are the District Judges as Courts of Appeal, the Subordinate Judges and the Munsiffs. The jurisdiction of a District Judge or Subordinate Judge extends to all original suits cognizable by the Civil Courts. It does not, however, include the powers of a Small Cause Court unless these be specially conferred. The ordinary jurisdiction of a Munsif extends to all suits in which the amount or value of the subject matter in dispute does not exceed Rs 1,000.

though the limit may be extended to Rs 4,000. On the criminal side the Sessions Judge hears appeals from Magistrates exercising first class powers while the District Magistrate is the appellate authority for Magistrates exercising second and third class powers. The District Magistrate can also be, though in point of fact he very rarely is, a court of first instance. It is usual in most districts for a Joint Magistrate or a Deputy Magistrate to receive complaints and police reports, cases of difficulty or importance being referred to the District Magistrate who is responsible for the peace of the district. In the non-regulation districts the Deputy Commissioner and his subordinates exercise civil powers and hear rent suits.

Land Tenures

Estates in the Province of Bihar and Orissa are of three kinds, namely, those permanently settled from 1793 which are to be found in the Patna, Tirhut and Bhagalpur divisions, those temporarily settled as in Chota Nagpur and parts of Orissa, and estates held direct by Government as proprietor or managed by the Court of Wards. The passing of the Bengal Tenancy Act (VIII of 1885) safeguarded the rights of the cultivators under the Permanent Settlement Act. Further, the Settlement Department under the supervision of the Director of Land Records makes periodical survey and settlement operations in the various districts both permanently and temporarily settled. In the former, the rights of the under tenants are recorded and attested, while in the latter there is the resettlement of rents. In the resettlement proceedings, rents are fixed not only for the landlords but also for all the tenants. A settlement can be ordered by Government on application made by land lords or tenants.

The tenures of Orissa are somewhat different. Under the zamindars, that is, the proprietors who took settlement from Government and pay revenue to Government direct, is a class of subordinate proprietors or proprietary tenure holders, who were originally village headmen dealing more or less direct with the revenue authorities. They have a variety of names, such as *muladam*, *padhan*, *maurisi*, *sarbarakar*, *pursethi*, *kharidrar* and *shikmi* zamindar. These sub-proprietors or proprietary tenure holders pay their revenue through the zamindars of the estates within which their lands lie. In Chota Nagpur and the Santal Parganas, the rights of village headmen have been recognised. The headman collects the rents and is responsible for them minus a deduction as remuneration for his trouble.

Both Orissa and Chota Nagpur have their own Tenancy Acts. In the district of the Santal Parganas, the land tenures are governed by Regulations III of 1872 and II of 1886 and in the district of Sambalpur by the Central Provinces Land Revenue Act, 1881 and the Central Provinces Tenancy Act, 1898.

Police

The Departments of Police, Prisons and Registration are each under the general direction of Government, supervised and inspected by an Inspector-General with a staff of assistants. The Commissioner of Excise and Salt is also Inspector General of Registration.

Under the Inspector-General of Police are four Deputy Inspectors-General and 29 Superintendents. There are also 24 Assistant Superintendents of Police and 28 Deputy Superintendents. The force is divided into the District Police, the Railway Police and the Military Police. A Criminal Investigation Department has also been formed for the collection and distribution of information relating to professional criminals and criminal tribes whose operations extend beyond a single district and to control, advise and assist in investigations of crime of this class and other serious action which its assistance may be invoked. There are three companies of Unmounted Military Police and one company of Mounted Military Police which are maintained as reserves to deal with serious and organised disturbances and perform no ordinary civil duties.

Education

The position of education in the Province, with the numbers attending schools, is set out in the section Education and the tables attached thereto (q v) showing in great detail the educational status of the administration.

There is a University at Patna, whose functions are described under the Indian Universities (q v).

Medical

The Medical Department is under the control of the Inspector-General of Civil Hospitals who is a Member of the Indian Medical Service. Under him there are 21 Civil Surgeons who are responsible for the medical work of the districts at the headquarters of which they are stationed. 61 Dispensaries are maintained by Government in addition to 611 Dispensaries maintained by Local bodies, Railways, private persons, etc. 7,587,129 patients including 92,544 in-patients were treated in all the dispensaries in 1931. The total income of the dispensaries maintained by Government and Local Bodies including that of the private aided institutions amounted to Rs 35,05,631.

A large mental hospital for Europeans has been opened at Ranchi which receives patients from Northern India. A similar institution for Indians has been opened at Ranchi since September 1925 for the treatment of patients from Bihar and Orissa and Bengal. A sanatorium at Itkl in the district of Ranchi has also been established for the treatment of tuberculosis. An institute for radium treatment has also been established at Patna. Centres for anti-rabic treatment have been started at Patna and Cuttack.

A medical college has been opened at Patna and the Medical School which was in existence at Patna has been transferred to Darbhanga.

THE FINANCES OF BIHAR AND ORISSA

As Bihar now enjoys practical financial autonomy, the finances are set out in greater detail

(In thousands of Rupees)	
Revenues and Receipts	Budget Estimate
	1933-34
II—Taxes on Income	3,17
III—Salt	3,00
V—Land Revenue	1,79,57
VI—Excise	1,27,01
VII—Stamps	1,07,50
VIII—Forest	6,39
IX—Registration	13,50
XIII—Irrigation, Navigation, Embankment and Drainage Works for which capital accounts are kept	19,17
XIV—Irrigation, Navigation, Embankment and Drainage Works for which no capital accounts are kept	99
XVI—Interest	4,92
XVII—Administration of Justice	5,46
XVIII—Jails and Convict Settlements	4,32
XIX—Police	1,82
XX—Ports and Pilotage	4
XXI—Education	7,46
XXII—Medical	2,11
XXIII—Public Health	1,61
XXIV—Agriculture	2,41
XXV—Industries	2,22
XXVI—Miscellaneous Departments	32
XXX—Civil Works	8,66

(In thousands of Rupees)	
Revenues and Receipts	Budget Estimate
	1933-34
XXXII—Transfers from Famine Relief Fund	.
XXXIII—Receipts in aid of Superannuation	99
XXXIV—Stationery and Printing	2,51
XXXV—Miscellaneous	3,35
XXXIXA—Miscellaneous adjustments between the Central and Provincial Governments	.
XL—Extraordinary receipts	.
TOTAL REVENUE	5,08,50
Loans and Advances by the Provincial Government (Recoveries)	7,24
Advances from the Provincial Loans Fund	.
Grants from Imperial Council of Agricultural Research	71
Transfers from Famine Relief Fund	11,26
Famine Relief Fund	9,34
Subvention from Central Road Development Account	3,30
Appropriation for Reduction or Avoidance of Debt	58
Expense	1,75
TOTAL RECEIPTS	5,42,68
Opening Balance	(a) 52,34
GRAND TOTAL	5,95,02

(a) Includes Subventions from Central Road Development Account 7,02, Grants from Imperial Council of Agricultural Research 13, Famine Relief Fund 30,85

THE FINANCES OF BIHAR AND ORISSA—*contd.*

(In thousands of Rupees)		(In thousands of Rupees)	
<i>Expenditure</i>	<i>Budget Estimate</i>	<i>Expenditure</i>	<i>Budget Estimate</i>
	1933-34		1933-34
5 —Land Revenue .	17,24	46 —Stationery and Printing	8,95
6 —Excise	15,09	47 —Miscellaneous	1,30
7 —Stamps .	2,18	51 —Contribution to Central Government by the Provincial Government ..	
8 —Forests	7,20	51A —Miscellaneous adjustments between the Central and Provincial Governments	
8A —Forest Capital outlay charged to Revenue	18	52 —Extraordinary payments	8
9 —Registration .	6,30	Total expenditure charged to Revenue	5,21,16
11 —Interest on Irrigation Works for which capital accounts are kept .	20,45	Committed value of pensions	3,06
15 —Irrigation Revenue Account—Other Revenue Expenditure financed from ordinary Revenue	1,51	Payments to Retrenched Personnel	3
16 —Irrigation Capital Account—Construction of Irrigation, Embankment and Drainage Works		Loans and Advances by the Provincial Government	8,36
19 —Interest on Ordinary Debt	56	Advances from the Provincial Loans Fund (Repayments)	58
20 —Interest on other obligations	1,01	Grants from Imperial Council of Agricultural Research	71
21 —Appropriation for reduction or avoidance of debt	58	Transfers from Famine Relief Fund (Repayments)	7,08
22 —General Administration	75,84	Famine Relief Fund	11,26
24 —Administration of Justice	39,75	Subvention from Central Road Development Account	2,47
25 —Jails and Convict Settlements	20,81	Suspense	1,69
26 —Police	86,26	Total expenditure not charged to revenue .	35,18
27 —Ports and Pilotage	2	Reserve for unforeseen	100
30 —Scientific Departments	31	Total expenditure	5,57,34
31 —Education	81,22	Closing balance	(b) 37,68
32 —Medical	26,25	GRAND TOTAL	5,95,02
33 —Public Health	11,43		
34 —Agriculture	13,84		
35 —Industries	8,51		
37 —Miscellaneous Departments	71		
41 —Civil Works	38,94		
42 —Lamine	43		
45 —Superannuation Allowances and Pensions	35,11		
45A —Commutations of Pensions Financed from ordinary Revenue		Provincial { Surplus	
		{ Deficit ..	14,66

^(b) Includes Subventions from Central Road Development Account 7,85, Grants from Imperial Council of Agricultural Research 13, Famine Relief Fund 2893

ADMINISTRATION

GOVERNOR

His Excellency Sir James David Sifton, K C S I,
K C I L, I C S

PERSONAL STAFF

Private Secretary, Captain P J Clarke
Aide de Camp, Lieut G C Drake Brockman
and Lieut C W H Rice
Honorary Aides de Camp, Lieut Col A L
Danby, Captain D J Minfield, Captain W O
Henderson, Risaldar Major Muhammad Reza
Khan, Bahadur

EXECUTIVE COUNCIL

The Hon'ble Mr J T Whitty, C S I, C I I, I O S
The Hon'ble Babu Nirsa Narayan Singh

Ministers

The Hon'ble Sir Ganesh Dutt Singh, Kt (Local
Self-Government)
Mr Sayid Abder Aziz, Bar at-Law

SECRETARIAT

Chief Secretary to Government, Political and
Appointment Departments, P C Tallents, C I I,
I O S

Secretary to Government, Finance Department,
H C Prior, I O S

Secretary to Government, Revenue Department,
J W Houlton, I C S

Secretary to Government, Judicial Department,
A C Davies, I C S

Secretary to Government (P W D), Irrigation
Branch, F A Bettleton

Buildings and Roads Branch, T G Powell

Secretary to Government, Education and Divisional
Departments, B K Gokhale, I C S (on leave)

MISCELLANEOUS APPOINTMENTS

Director of Public Instruction, G L Fawcus, M A,
C I I

Inspector General of Police, R J Hirst, B A, C I I
(on leave)

Lt Col A E J C McDowell

Conservator of Forests, Earnest Benskin

Inspector General of Civil Hospital, Lt Col
J A S Phillips (in addition as D P H)

Director of Public Health, Lt Col J A S Phillips

Inspector General of Prisons, Major O R Unger

Director of Agriculture, Daulat Ram Sethi (Offg)

GOVERNORS OF BIHAR AND ORISSA

Lord Sinha of Raipur, P C, K O 1920

Sir Henry Wheeler 1921

Sir Hugh Lansdown Stephenson,
K O S I, K C I I

H E Sir James David Sifton, 1927
K C I L, C S I, I C S 1932

Bihar and Orissa Legislative Council

The Hon'ble Babu Riyandharu Sinha,
M A, B L (President)

Rai Bahadur Lakshmidhar Mahanti
(Deputy President)

Mr S Anwar Yusoof, Bar at-Law,
(Secretary)

Babu Raghu Nath Prasad, M A, B L
(Assistant Secretary)

EXECUTIVE COUNCIL

The Hon'ble Raja Rajendra Narayan Bhanja
Deo, O B E

The Hon'ble Mr J T Whitty, C S I, C I I

MINISTERS

The Hon. Syed Abdul Aziz, Bar at-Law
The Hon'ble Sir Ganesh Datta Singh, Kt

West Patna (Muhammadan Rural)
East Patna (Non-Muhammadan Rural)

MEMBERS

NOMINATED OFFICIALS

Mr P C Tallents, C I L
„ H C Prior
„ W G Lacey
„ S R Zaman
„ J W Houlton
„ J G Powell

Mr A C Davies
„ F A Bettleton
„ G L Fawcus, C I I
„ Lt Col J A S Phillips
„ Lt Col A E J C McDowell
„ J A Hubback, C S I

NOMINATED NON-OFFICIALS

Babu Siva Shankar Jha (Expert)
Babu Gur Sahay Lal (Expert)
Mr J Thomas, European
Mr W H Meyrick, Bihar Planters
Mr Ian A Clerk, Indian Mining Association
Raja Bahadur Harihar Prashad Narayan Singh
Patna Division Land-holder
Mr A E D Silva, (Anglo Indian Community)
Rev. Brajananda Das, (Depressed classes)
Rai Bahadur Kedar Nath, Nominated
Mr R Chandra, (Indian Christian Community)
Khan Bahadur Shah Muhammad Yahya C I L

Babu Bimal Charan Singh
Rai Sahib Sri Ballabh Das
Babu Ram Narayan (Depressed classes)
Rai Bahadur Pami Ramji Singh (Industrial
interest other than Planting and Mining)
Rai Bahadur Harendra Nath Banerji (Labouring
classes)
Rai Bahadur Birendra Nath Chakravarti
(Domiciled Bengali Community)
Mr Sagram Hembrome (Aborigines)
Mr Garbett Captain Manki (Aborigines)

LISTED

Name

Constituency

Mahanth Manmohan Das

South Bihar Division (Non-Muhammadan Rural)

Vacant

North Bihar Division (Non-Muhammadan Rural)

Maulavi Saifid Muhammad Hafeez

Patna Division

Rai Bahadur Dhillip Narayan Singh

Buxar Division (Non-Muhammadan Rural)

Babu Chandreshwar Prashad Narayan Singh

Hindustan Division (Non-Muhammadan Rural)

Babu Maheshwar Prashad Narayan Das

Chota Nagpur Division (Non-Muhammadan Rural)

Babu Jagajyoti Prashad Singh

North Bihar Division (Non-Muhammadan Rural)

Babu Sirdananda Kumar

South Bihar Division (Non-Muhammadan Rural)

Babu Ramaswar Prashad Chaudhuri

South Bihar Division (Non-Muhammadan Rural)

Babu Harekrishna Chaudhuri

North West Bihar Division (Non-Muhammadan Rural)

Babu Sri Narayan Mahtha

East Muzaffarpur (Non-Muhammadan Rural)

Babu Rameshwar Prashad Singh

East Gaya (Non-Muhammadan Rural)

Mr Saifid Muhammad Athar Hussain

Shahabad (Muhammadan Rural)

Mr Muhammad Yunus

West Patna (Muhammadan Rural)

Khan Bahadur Abdul Wahid Khan

Bhagalpur Division (Muhammadan Urban)

Mr Saifid Mohtadin Mirza

Kishanganj (Muhammadan Rural)

Khan Bahadur Haji Muhammad Bux Chaudhuri

Patna (Muhammadan Rural)

Maulavi Abdul Aziz Khan

Santal Parganas (Muhammadan Rural)

Babu Kalyan Singh

Hazaribagh (Non-Muhammadan Rural)

Rai Bahadur Haldhar Prashad Singh

North Bhaugulpur (Non-Muhammadan Rural)

Bhuvan Rudra Pratap Das

Patna (Non-Muhammadan Rural)

Babu Shyam Narayan Singh Sharma

Ranchi (Non-Muhammadan Rural)

Rai Bahadur Sunit Chandri Ray

North Cuttack (Non-Muhammadan Rural)

Rai Bahadur Lakshmidhara Mohanti

Orissa Division (Non-Muhammadan Urban)

Babu Harilal Das

South Puri (Non-Muhammadan Rural)

Rai Bahadur Loknath Misra

Sambalpur (Non-Muhammadan Rural)

Babu Brajamohan Pandey

Orissa Division Landholders

Babu Birabir Narayan Chandra Dhir Narendra

Santal Parganas (North) (Non-Muhammadan Rural)

Babu Shib Chandra Singha

Singbhum (Non-Muhammadan Rural)

Babu Devendra Nath Samant

North Muzaffarpur (Non-Muhammadan Rural)

Babu Rameshwar Pratap Sahu

West Muzaffarpur (Non-Muhammadan Rural)

Babu Badri Narayan Singh

Central Bhaugulpur (Non-Muhammadan Rural)

Babu Rudra Pratap Singh

North West Monghyr (Non-Muhammadan Rural)

Babu Bishundeo Narayan Singh

Gaya (Muhammadan Rural)

Maulavi Khalilur Rahman

Lahut Division (Muhammadan Urban)

Maulavi Muhammad Abdul Ghami

Dubbhanga (Muhammadan Rural)

Maulavi Shaikh Muhammad Shafi

Chota Nagpur Division (Muhammadan Rural)

Khan Bahadur Habibur Rahman

Champaran (Muhammadan Rural)

Maulavi Abdul Wadood

Muzaffarpur (Muhammadan Rural)

Maulavi Muhammad Hasan Jan

ELECTED—*concd*

Name	Constituencies
Khan Bahadur Saghur ul Haq	Saran (Muhammadan Rural)
Mr Sayyid Muhammad Mehdi	Monghyr (Muhammadan Rural)
Maulavi Shaikh Abdul Jahl	Orissa Division (Muhammadan Rural)
Babu Ramnugrah Narayan Singh	West Gaya (Non Muhammadan Rural)
Babu Bhagwati Saran Singh	Central Gaya (Non-Muhammadan Rural)
Mr Sayyid Abdul Aziz	Patna Division (Muhammadan Urban)
Babu Godvaris Misra	North Puri (Non Muhammadan Rural)
Rai Bahadur Satis Chandra Sinha	South Manbhum (Non Muhammadan Rural)
Mr Kamaldhari Lal	South Bhagalpur (Non-Muhammadan Rural)
Rai Bahadur Lachhmi Prasad Sinha	East Monghyr (Non-Muhammadan Rural)
Babu Jagannath Das	South Balasore (Non-Muhammadan Rural)
Babu Radharanjan Das	North Balasore (Non Muhammadan Rural)
Babu Nikunja Kishore Das	South Cuttack (Non-Muhammadan Rural)
Babu Rajeshvari Prashad	Patna Division (Non Muhammadan Urban)
Babu Nirsu Narayan Sinha	South Saran (Non Muhammadan Rural)
Chaudhuri Muhammad Nazirul Hasan	Bhagalpur (Muhammadan Rural)
Babu Radha Mohan Sinha	Arrah (Non-Muhammadan Rural)
Babu Ramjiwan Himat Singha	Santal Parganas (South) (Non Muhammadan Rural)
Mr Sachchidananda Sinha	Central Shahabad (Non Muhammadan Rural)
Raja Prithwi Chand Lal Chowdry	Purnea (Non Muhammadan Rural)
Rai Bahadur Dwarka Nath	Tirhut Division (Non Muhammadan Urban)
Rai Bahadur Shyamchand Sahay	Hajipur (Non Muhammadan Rural)
Babu Srikrishna Prashad	South West Monghyr (Non-Muhammadan Rural)
Babu Jogendra Mohan Sinha	Bhagalpur (Non Muhammadan Urban)
Babu Radha Prasad Sinha	South Shahabad (Non Muhammadan Rural)
Mr Nanda Kumar Ghosh	Chota Nagpur Division (Non Muhammadan Urban)
Rai Bahadur Krishnadevi Narayan Malhotra	North Champaran (Non Muhammadan Rural)
Babu Lalit Prashad Chaudhuri	South Champaran (Non-Muhammadan Rural)
Babu Kunja Bihari Chandra	Indian Mining Federation
Babu Manindra Nath Mukharji	North Manbhum (Non-Muhammadan Rural)
Dr Sir Sayyid Sultan Ahmad	Nominated (Expert)

The Central Provinces and Berar.

The Central Provinces and Berar compose a great triangle of country midway between Bombay and Bengal. Their area is 133,060 sq miles, of which 82,140 are British territory proper, 17,808 (*viz.* Berar) held on perpetual lease from H E H the Nizam and the remainder held by Feudatory Chiefs. The population (1931) is 15,507,723 in C P British Districts and Berar. Various parts of the Central Provinces passed under British control at different times in the wars and tumult in the first half of the 19th century and the several parts were amalgamated after the Mutiny, in 1861, into the Chief Commissionership of the Central Provinces. Berar was, in 1853, assigned to the East India Company as part of a financial arrangement with H E H the Nizam for the maintenance of the Hyderabad Contingent, and was leased in perpetuity to the Central Provinces in 1903, as the result of a fresh agreement with H E H the Nizam.

The Country.

The Central Provinces may roughly be divided into three tracts of upland, with two intervening ones of plain country. In the north-west, the Vindhyan plateau is broken country, covered with poor and stunted forest. Below its precipitous southern slopes stretches the rich wheat growing country of the Nerbudda valley. Then comes the high Satpura plateau, characterised by forest-covered hills and deep water cut ravines. Its hills decline into the Nagpur plain, whose broad stretches of "deep" black cotton soil make it one of the more important cotton tracts of India and the wealthiest part of the C P proper. The Eastern half of the plain lies in the valley of the Wainganga and is mainly a rice growing country. Its numerous irrigation tanks have given it the name of the "lake country" of Nagpur. Further east is the far-reaching rice country of Chhattisgarh, in the Mahanadi basin. The south-east of the C P is again mountainous, containing 24,000 square miles of forest and precipitous ravines, and mostly inhabited by jungle tribes. The Feudatory States of Bastar and Kankar lie in this region. Berar lies to the south-west of the C P and its chief characteristic is its rich black cotton soil plains.

The People

The population of the province is a comparatively new community. Before the advent of the Aryans, the whole of it was peopled by Gonds and other primitive tribes and these aboriginal inhabitants fared better from the Aryans than their like in most parts of India because of the rugged nature of their home. But successive waves of immigration flowed into the province from all sides. The early inhabitants were driven into the inaccessible forests and hills, where they form nearly a quarter of the whole population of the Central Provinces being found in large numbers in all parts of the province, particularly in the South-east. The main divisions of the newcomers are indicated by the language divisions of the province. Hindi brought in by the Hindustani speaking peoples of the North prevails in the North and East, Marathi in Berar and the West and Centre of the Central Provinces. Hindi is spoken by

56 per cent of the population and is the *ling franca*. Marathi by 31 per cent and Gond 7 per cent. The effects of invasion are curiously illustrated in Berar, where numbers of Moslems have Hindu names, being descendants of former Hindu officials who on the Mohamed invasion adopted Islam rather than lose the positions. The last census shows that a grade Brahmanising of the aboriginal tribes is going on. The tribes are not regarded as impure by the Hindus and the process of absorption is more or less civilising.

Industries

When Sir Richard Temple became first Chief Commissioner of the C P the province was unworked. The only road was that leading in from Jabalpur to Nagpur. The British administration has made roads in all directions, the trunk railways between Bombay and Calcutta run across the province and in the last few years a great impetus has been given to the construction of subsidiary lines. These developments have caused a steady growth of trade and have aroused vigorous progress in every department of life. The prime industry is, of course, agriculture, which is assisted by one of the most admirable agricultural departments in India and is now receiving additional strength by phenomenal growth of the co-operative credit movement. The land tenure is chiefly on the *malguzari*, or landlord system, ranging with numerous variations, from the great Feudatory chiefships, which are on this basis, to holdings of small dimensions. A system of land legislation has gradually been built up to protect the individual cultivator. Berar is settled on the Bombay *malguzari* system 16,073 square miles of the C P is Government Reserved forest, in Berar the forest area is about 3,339 square miles, the total forest area being one sixth of the whole Province. The rugged nature of the greater part of the country makes forest conservation difficult and costly. Excluding forest and waste 67 per cent of the total land is occupied for cultivation, for the two most advanced districts in the Central Provinces, the proportion averages 83 per cent, while the average figure for the Berar Districts is as high as 93 per cent. The cultivated area has extended almost continuously except for the temporary checks caused by bad seasons. Rice is the most extensive single crop of the Central Provinces, covering nearly 30 per cent of the cropped area. Wheat comes next with over 15 per cent, then pulses and other cereals used for food and oil-seeds with nearly 50 per cent, and cotton with over 7 per cent. In Berar cotton occupies 46 per cent. Next comes *jwar* and then pulses and other cereals and oil seeds of the cropped area, *jowar* covers 31 per cent, then wheat and oilseeds. In agriculture more than half the working population is female.

Commerce and Manufactures

Industrial life is only in its earliest development except in one or two centres, where the introduction of modern enterprise along the railway routes has laid the foundations for great future developments of the natural wealth of

the province Nagpur is the chief centre of a busy cotton spinning and weaving industry. The Empress Mills, owned by Parsi manufacturers, were opened there in 1877 and the general prosperity of the cotton trade has led to the addition of many mills here and in other parts of the province. The total amount of spun yarn exported from the Province during the year ending 31st March 1932 was 1,89,753 maunds, valued at Rs 56,92,590.

The largest numbers engaged in any of the modern industrial concerns are employed in manganese mining which in 1931 employed 9,508 persons and raised 302,344 tons. Then follow coal mining with an output of 973,040 tons and 8,624 persons employed, the Jabulpore marble quarries and allied works, the limestone quarries and the mines for pottery clay, soapstone, etc.

The total number of factories of all kinds legally so described was 930 in 1932 the latest period for which returns are available and the number of people employed in them 61,627. The same economic influences which are operative in every progressive country during its transition stage are at work in the C P and Berar, gradually sapping the strength of the old village industries, as communications improve, and concentrating industries in the towns. While the village industries are fading away, a large development of trade has taken place. The last pre war reports showed an increase in volume by one third in eight years.

Administration

The administration of the Central Provinces and Berar is conducted by a Governor-in-Council, who is appointed by the Crown. He is assisted by seven Secretaries and four under-secretaries. Under the reform scheme the administration is conducted by a Governor with an Executive Council of two members, one of whom is a non-official and two Ministers, the latter being in charge of the transferred subjects.

The local legislature consists of 73 members distributed as follows—38 elected from the C P, 17 elected from Berar, 2 members of the Executive Council, 8 nominated non-officials, 8 nominated officials. The Governor (who is not a member of the Council) has the right of nominating two additional members with special knowledge on any subject regarding which legislation is before the Council. The C P are divided for administrative purposes into three divisions and Berar constitutes a division. Each of these is controlled by a Commissioner. The divisions are sub divided into districts, each of which is controlled by a Deputy Commissioner, immediately subordinate to the Commissioner. The principal heads of Provincial departments are the Commissioner of Settlements and Director of Land Records, the Chief Conservator of Forests, the Inspector-General of Civil Hospitals, the Director of Public Health, the Inspector General of Police, the Inspector-General of Prisons, the Director of Public Instruction the Excise Commissioner and Superintendent of Stamps and Inspector General of Registration, and Registrar-General of Births, Deaths and Marriages, the Director of Agriculture, the Registrar of Co operative Societies, the Director of Indus-

tries, the Legal Remembrancer, the Director of Veterinary Services and a Chief Engineer, Public Works Department, Buildings and Roads and Irrigation Branches. The Deputy Commissioners of districts are the chief revenue authorities and District Magistrates and they exercise the usual powers and functions of a district officer. The district forests are managed by a forest officer, over whom the Deputy Commissioner has certain powers of supervision, particularly in matters affecting the welfare of the people. Each district has a Civil Surgeon, who is generally also Superintendent of the District Jail except at Central Jails at Nagpore and Jabulpore and District Jails at Raipur, Narsinghpur, Amraoti and Akola where there are whole time Superintendents and whose work is also in various respects supervised by the Deputy Commissioner. The Deputy Commissioner is also Marriage Registrar and manages the estates of his district which are under the Court of Wazas. In his revenue and criminal work the Deputy Commissioner is assisted by (a) one or more Assistant Commissioners, or members of the Indian Civil Service, (b) one or more Extra Assistant Commissioners, or members of the Provincial Civil Service, including a few Anglo-Indians and (c) by Tahsildars and Naib Tahsildars, or members of the Subordinate service. The district is divided for administrative purposes into tahsils, the average area of which is 1,500 square miles. In each village a lambardar or representative of the proprietary body is executive headman.

Justice

The Court of the Judicial Commissioner is the highest court of appeal in civil cases, and also the highest court of criminal appeal and revision for the Central Provinces and Berar including proceedings against European British subjects and persons jointly charged with European British subjects.

The Court sits at Nagpur and consists of a Judicial Commissioner and 4 Additional Judicial Commissioners of whom one at least must be an advocate of the Court or a Barrister or pleader of not less than 10 years' standing.

Subordinate to the Judicial Commissioner's Court are the District and Sessions Judges (9 in number) each of whom exercises civil and criminal jurisdiction in a Civil and Sessions district comprising one or more Revenue districts. The civil staff below the District and Sessions Judge consists of Subordinate Judges of the first and second class.

Local Self-Government.

Municipal administration was first introduced under the Punjab Municipal Acts and the Municipality of Nagpur dates from 1864. Several revising Acts extend its scope and the C P Municipalities Act passed towards the end of the year 1922 has considerably increased the power of the Municipal Committees. The C P Municipalities Act has also been extended to Berar. Viewed generally, municipal self-government is considered to have taken root successfully. The larger towns have municipalities, there being 74 such bodies in the Province.

Under the Central Provinces Local Self Government Act passed in 1920 as amended in 1931 there is a local Board for each tahsil and a district council for each district (exception Ho-shangabad Chhindwara and Saugor districts each of which has two district councils). The local board consists of elected representatives of circle and nominated members other than Government officials not exceeding in numbers one fourth of the board, and the constitution of the district council is a certain proportion of elected representatives of local boards, of members selected by those representatives and of members, other than Government servants, nominated by Government.

The district councils in the Central Provinces have power of taxation within certain limits and local boards derive their funds in allotments from the District Councils. The new Central Provinces Local Self-Government Act has also been applied to Berar. The Office Bearers of all the district councils and with few exceptions local boards, also are non-officials.

Rural education, sanitation, medical relief and rural communications are among the primary objects to which these bodies direct their attention while expenditure on famine relief is also a legitimate charge upon the District Council funds.

The Central Provinces Village Panchayat Act was passed in the year 1920. So far 850 Panchayats have been established. As the result of a recommendation of a Committee appointed in 1925 to look into the question of Panchayats, a Village Panchayat Officer was appointed to guide the developments of the Panchayat system. This post was kept vacant on account of financial stringency for more than two years. It has now been filled in with effect from the 24th May 1933.

Public Works

The Public Works Department, which comprises Buildings and Roads and Irrigation Branches, is under the control of the Chief Engineer who is also Secretary to the Government. There are two Superintending Engineers who between them supervise the work of both branches. The Province is well served by a network of roads, but in a number of cases they are not fully bridged and are therefore impassable to traffic at times during the rains. During the last 15 years Government has been pursuing a policy of transfer of certain State roads of local importance and buildings situated thereon to the District Councils for maintenance and up to the date 1,127 miles of metalled and 803 miles of unmetalled roads have been transferred.

State irrigation was introduced early in the present century mainly as a result of the recommendations of the Irrigation Commission (1901-03). The Irrigation Branch of the department was separated from the Roads and Buildings Branch in 1920. During the last thirty-three years a sum of Rs 7.2 crores has been expended on the construction of irrigation works, of which the more important are the Wainganga, Tandula, Mahanadi, Kharung and Manari canals.

Three works, viz., the Mahanadi and Wainganga Canals and the Asola Mendha tank, were sanctioned originally as productive works and the remainder were all sanctioned as unproductive works. The three works sanctioned as productive have all failed to justify their classification in that category and have now been trans-

ferred to the unproductive list. The canals in the province are such that irrigation very cannot be expected to be productive and the compensation is put almost entirely on account of the value as a protection against famine. The normal cost of irrigation is about 10 paise per acre and the income from the works is less than the expenditure incurred on their maintenance and management.

Police

The police force is constituted on its present basis on the formation of the Province, the whole of which in India, the Cantonments and the Municipalities, is under one force. The strength is equal to or more than nine square miles of area. The superior officers comprise an Inspector-General whose jurisdiction extends over Berar, the District Inspector-General, for assistance in the administrative control and supervision of the Police force, including the Criminal Investigation Department and the usual cadre of District Superintendents of Police, Assistant and Deputy Superintendents and subordinate officers. On railways special Railway Police are employed under the control of two Superintendents of Railway Police with headquarters at Raipur and Ho-shangabad. A Special Armed Force of 870 men is distributed over the headquarters of eight districts for use in dealing with armed disturbers of the peace in whatever quarter they may appear. There is a small force of Mounted Police. The Central Provinces has no rural police as the term is understood in other parts of India. The village watchman is the subordinate of the village headman and not a police official and it is considered very desirable to maintain his position in this respect.

Education

The Education Department of the Central Provinces and Berar is administered by a Director of Public Instruction, a Registrar Education Department and Secretary, High School Education Board, four Inspectors and two Inspectresses who in their turn are assisted by an officer under training with eight Assistant Inspectors and four Assistant Inspectresses. Schools are divided into schools for general education and schools for special education. The latter are schools in which instruction is given in a special branch of technical or professional education. The main division of schools for general education is into Primary and Secondary. In the Primary Schools the teaching is conducted wholly in the vernacular and these schools are known as Vernacular Schools. The Secondary Schools are divided into Middle and High Schools. The former may be either Vernacular Middle Schools in which instruction is given (a) wholly in the vernacular or (b) mainly in the vernacular with an option to take English as an additional language, or Anglo-Vernacular Middle Schools in which instruction is given both in English and the vernacular. In the High School classes instruction until recently was given in English but the vernacular was adopted as the medium of instruction at the beginning of the school year 1922-23. For the convenience of pupils whose mother tongue is not a recognised vernacular of the locality a few English medium classes are still maintained. For administrative purposes schools are further divided according

to their management into schools (under public management and schools controlled by private bodies). The former consist of (a) schools controlled by Government and (b) schools controlled by Local Bodies or Boards. The latter consist of (a) Schools which are aided by grant from Government or from Local Funds and Municipal Funds and (b) unaided schools. All schools under public management, all aided schools and all unaided recognized schools conform in their courses of study to the standards prescribed by the Education Department or by the High School Education Board. They are subject to inspection by the Department and to the general rules governing schools of this type. They are "recognized" by the Department and their pupils may appear as candidates for any prescribed examination for which they are otherwise eligible. Unrecognized schools do not follow the rules of the Department, nor are they subject to inspection by the Department. They are mostly indigenous schools which have been too recently opened to have acquired "recognition". Their pupils may not appear as candidates at any of the prescribed examinations without the previous sanction of the Department.

The Primary Education Bill which was passed by the Local Legislative Council in March 1920 marks an important stage by giving Local Bodies power to introduce compulsory education in the areas under their jurisdictions.

Higher education is at present given in five colleges. In Nagpur Morris College teaches up to the M A standard in Arts and B A (Hons). Hislop College is affiliated up to the M A standard in Arts, the College of Science teaches up to the M Sc standard in Science and Mathematics, and B Sc (Hons), City College, Nagpur, has since been affiliated up to the B A Standard, and in Civics, Mathematics and Hindi composition up to the Standard of Intermediate examination for the degrees of Bachelor of Arts and Bachelor of Science for a period of 5 years from 1st July 1932. In Jubbulpore Robertson College teaches up to the B A and B Sc standards and also M A in Hindi. The King Edward College teaches up to the B A degree in Arts and the Intermediate examination in Science. The province contains also a Teachers' Training College at Jubbulpore, a training class at Howbagh, Jubbulpore for the undergraduate women teachers and Normal Schools at different centres in the province and an Engineering School at Nagpur. There is a Technical Institute at Amraoti, which is controlled by the Department of Industries. There is also an Agricultural College at Nagpur under the Department of Agriculture.

Collegiate Education is under the control of the University of Nagpur to which the colleges of the province are affiliated. The University was established by the Nagpur University Act of 1923. A University Law College has been established at Nagpur with effect from the 1st July 1925.

As a corollary to the Central Provinces University Act the Central Provinces High School Education Bill was passed in 1923. Its aim is to free the High Schools of the Province from the control of the University and from this point of view to substitute for the University a Board of Secondary Education for the regulation and control of Secondary Education. In order, however, that the connection between Secondary and University Education may still be maintained

the Bill provides that one-third of the members of the Board will be drawn from men experienced in university affairs and that of this one-third not less than two-thirds shall be teachers in the University or in colleges affiliated thereto. At the same time teachers engaged in school work are also represented on the Board.

Medical

The medical and sanitary services of the province are respectively controlled by an Inspector-General of Civil Hospitals and Director of Public Health. The medical department has made some progress since the year 1911. A striking advance has been made in recent years with urban sanitation, and the opening of a Medical School at Nagpur in 1914 supplied a long-felt need. The principal medical institutions are the Mayo Hospital at Nagpur, opened in 1874 with accommodation for 205 in-patients, the Victoria Hospital at Jubbulpore, opened in 1886 with accommodation for 137 in-patients, the Lady Dufferin Hospital and the Muir Memorial Hospital at Nagpur and the Lady Elgin Hospital and the Crump Children's Hospital at Jubbulpore, these last four being for women and children and containing together accommodation for 265 in-patients. Two important hospitals for women have been recently opened at Chhindwara and Khandwa, and at all district headquarters where no separate women's hospitals exist, sections of the Main Hospitals have been opened for the treatment of women by women. The Mayo Hospital, Nagpur, was provincialised in 1923, the Main Hospital at Amraoti in 1925, the Victoria Hospital at Jubbulpore in 1926, and the Main Hospital at Raipur in 1928. In accordance with recent policy, 121 out of 181 local fund dispensaries have been transferred to the administrative and executive control of local bodies. The Province has one Mental Hospital at Nagpur. Vaccination is compulsory in nearly all Municipal towns to which the Vaccination Act has been extended. The Government in 1913 sanctioned the opening of peripatetic dispensaries in unhealthy areas. There are at present 33 such dispensaries. A school for training health workers has been started at Nagpur and 50 Infant Welfare Centres have been opened. A start in the direction of opening a Health Institute has been made with the initiation of chemical and bacteriological works with a small staff in Nagpur.

Finances

A combination of adverse circumstances has led to a substantial contraction of the resources of the province during the last three years. In spite of drastic retrenchment all round and the emergency cut in pay, the year opened with an unproductive debt of Rs 61 lakhs, representing loans taken in 1930-31 and 1931-32 to cover deficits, and a small anticipated balance of about Rs 3 lakhs. In the face of these circumstances the budget presented this year was intended to mark time and practically has reached the stage beyond which retrenchment is not possible. To replace partially the fall of revenue principally from License, a Bill to impose license fees on the vend of tobacco was presented to the Council, but it overthrew the motion for its reference to a select committee. It is clear that the local Government will have to explore additional sources of revenue in order to be able to resume measures of development.

FINANCES OF THE CENTRAL PROVINCES.

ESTIMATED REVENUE FOR 1933-34

Principal Heads of Revenue

	Rs
Taxes on Income	
Salt	1,000
Land Revenue	2,52,76,000
Licence	57,50,000
Stamps	56,55,000
Forest	15,65,000
Registration	4,20,000
Total	4,18,67,000

Irrigation

Irrigation, Navigation, Embankment and Drainage Works for which Capital Accounts are kept	
Irrigation, Navigation, Embankment and Drainage Works for which no Capital Accounts are kept	— 1,18,000
Total	— 1,18,000

Debt Services.

Interest	5,25,000
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Civil Administration.

Administration of Justice	5,13,000
Jails and Convict Settlements	1,36,000
Police	75,000
Education	6,89,000
Medical	73,000
Public Health	65,000
Agriculture	2,65,000
Industries	8,000
Miscellaneous Departments	3,80,000
Total	22,04,000

Civil Works

Civil Works	10,16,000
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Miscellaneous

Transfers from Famine Relief Fund	10,000
Receipts in aid of Superannuation	53,000
Stationery and Printing	55,000
Miscellaneous	5,04,000
Total	6,22,000

Extraordinary items

Extraordinary receipts ..	15,000
Total Provincial Revenue	4,63,67,000

Debt Heads

	Rs
Deposits and Advances—	
Famine Relief Fund	10,22,000
Transfers from Famine Relief Fund	10,97,000
Appropriations for Reduction or Avoidance of Debt	3,55,000
Sinking Fund for loans granted to Local Bodies	10
Depreciation Fund for Forest Tramways	29,000
Depreciation Fund for Government Prisons	52,000
Subventions from Central Road Development Account	3,32,000
Loans and Advances by Provincial Governments	31,75,600
Advances from Provincial Loans Fund and Government of India	7,66,000
Total Debt Heads	65,02,000

Total Revenue and Receipts	5,11,69,000
Opening balance { Ordinary	2,51,000
Famine Relief	
Fund	16,06,000
Grand Total	5,80,29,000

ESTIMATED EXPENDITURE FOR 1933-34

Direct Demands on the Revenue

Total Revenue	18,97,800
Licence	10,35,840
Stamps	1,32,081
Forest	35,38,880
Registration	1,86,273
Total	67,90,874

Irrigation

Revenue Account of Irrigation, Navigation, Embankment and Drainage Works—	
Interest on Works for which Capital Accounts are kept	31,18,000
Other Revenue expenditure financed from Ordinary Revenues	1,52,000
Total ..	32,70,000

ESTIMATED EXPENDITURE FOR 1933-34—contd

	Rs	Miscellaneous	Rs
<i>Irrigation—contd</i>		Famine Superannuation Allowances and Pensions	10,000
Capital Account of Irrigation, Navigation, Embankment and Drainage Works charged to Revenue—		Stationery and Printing—	38,27,880
		Reserved	7,88,600
		Transferred	16,000
Construction of Irrigation, Navigation, Embankment and Drainage Works—		Miscellaneous—	
		Reserved	82,620
		Transferred	5,94,000
A—Financed from Famine Insurance Grants		Total	53,19,100
B—Financed from Ordinary Revenue	28,000	For rounding	
Total	28,000	Total Provincial Expenditure	4,64,79,476
<i>Debt Services</i>		Principal Revenue heads—	
Interest on Ordinary Debt	5 000	Forest and other Capital outlay not charged to Revenue—	
Interest on other obligations	1,28 000	Forest Capital outlay	1,000
Reduction or Avoidance of Debt	3,55,000	Capital account of Irrigation, Navigation, Embankments, Drainage and other Works not charged to Revenue—	
Total	48,8,000	Construction of Irrigation Works	2,86,000
		Civil Works not charged to Revenue	
<i>Civil Administration</i>		Miscellaneous—Capital outlay not charged to Revenue—	
General Administration Reserved	68,13,400	Commuted Value of Pensions	3,79,000
Do Transferred	58 498	Total	6,66,000
Administration of Justice	27,72 635	<i>Debt Heads</i>	
Jails and Convict Settlements	8,43,880	Deposits and Advances—	
Police	59 74,199	Famine Relief Fund	11,60,000
Scientific Departments	13 445	Transfers from Famine Relief Fund	8,85,000
Education—		Depreciation Fund for Government Presses	20 000
Reserved	1,14,000	Depreciation Fund for Forest Tramway	
Transferred	49,61,355	Subventions from Central Road Development Account	4,65,000
Medical	13,25,355	Loans and Advances by Provincial Government	15,06,000
Public Health	3,52,040	Advances from Provincial Loans Fund and Government of India	26,80,000
Agriculture	15 37,646	Total Debt Heads	64,56,000
Industries—		Total Expenditure and Disbursements	5,37,01,476
Reserved	23,500	Closing balance { Ordinary	— 2,00,476
Transferred	1,92,555	Famine Relief	
Miscellaneous Departments—		Fund	45,28,000
Reserved	1,57,000	Grand Total	5,80,29,000
Total	2 51,39,502	Revenue Deficit	— 2,12 476
<i>Civil Works</i>			
Civil Works—			
Reserved	61,000		
Transferred	54,83,000		
Total	55,44,000		

GOVERNOR		J S Campbell (<i>Officiating</i>)	1861
His Excellency Sir Hyde Gowan, KCSI, CIE, DICS		R Temple	1864
MEMBERS OF THE EXECUTIVE COUNCIL		J S Campbell (<i>Officiating</i>)	1865
The Hon'ble Mr L Raghuvendra Rao, Bar at Law		R Temple	1865
The Hon'ble Mr Laure Gordon, BA, (Oxon), CIE, DICS		J H Morris (<i>Officiating</i>)	1867
MINISTERS		L Campbell	1867
The Hon'ble Rai Bahadur K S Navadu, BA, LLB		J H Morris (<i>Officiating</i>)	1868
The Hon'ble B G Khaparde, BA, LLB		Confirmed 27th May 1870	
SECRETARIES		Colonel R H Keatinge, KCSI (<i>Offg</i>)	1870
Chief Secretary, N J Roughton, CIE, DICS		J H Morris, CIE	1872
Financial Secretary, C D Deshmukh, CIE		C Grant (<i>Officiating</i>)	1870
Revenue Secretary P J H Stent, CIE		J H Morris, CIE	1870
Settlement Secretary, I C S Javaritnam, CIE		W B Jones, CIE	1883
Legal Secretary, C R Hemeon, CIE		C H J Crosthwaite (<i>Officiating</i>)	1884
Education Secretary C L W Jones, MA, CIE		Confirmed 27th January 1885	
Secretary, Public Works Department (Buildings and Roads and Irrigation Branch), H A Hyde, MC		D Fitzpatrick (<i>Officiating</i>)	1885
HEADS OF DEPARTMENTS		J W Neill (<i>Officiating</i>)	1887
Commissioner of Settlements, Director of Land Records, Registrar General of Births, Deaths and Marriages and Inspector General of Registration, I C S Javaritnam, CIE		A Mackenzie, CIE	1887
Chief Conservator of Forests, C A Malcolm, CIE		R J Crosthwaite (<i>Officiating</i>)	1889
Excise Commissioner and Superintendent of Stamps, T C S Javaritnam, CIE		Until 7th October 1889	
Commissioner of Income Tax, Khan Bahadur Wili Muhammad, BA		J W Neill (<i>Officiating</i>)	1890
Postmaster General, J N Mukerjee, OBE		A P McDonnell, CIE	1892
Accountant General, L T Coates, CIE		J Woodburn, CIE (<i>Officiating</i>)	1893
Judicial Commissioner, F L Grille, Bar at Law, CIE		Confirmed 1st December 1893	
Inspector General of Prisons, Lieutenant Colonel William Jackson Powell, IMS, CIE, MD		Sir C J Lyall, CIE, KCSI	1895
Inspector General of Police, C C Chitham		The Hon'ble Mr D C J Ibbetson, CIE	1898
Director of Public Instruction, C L W Jones, CIE, MA		" Sir A H L Fraser, KCSI (<i>Officiating</i>)	1899
Lord Bishop, The Right Reverend Alex Wood, MA, OBE		Confirmed 6th March 1902	
Inspector General of Civil Hospital, Lt Col W J Powell, MD, CIE, IMS		The Hon'ble Mr J P Hewett, CIE, (<i>Officiating</i>)	1902
Director of Public Health, Lt Col W J Powell, MD, CIE, IMS		Confirmed 2nd November 1903	
Director of Agriculture, J H Ritchie, MA, BSc		The Hon'ble Mr P S P Lely, CIE, KCSI (<i>Officiating</i>)	1904
Director of Veterinary Services, Major R F Stirling, FRCVS		Confirmed 23rd December 1904	
Director of Industries and Registrar, Co-operative Societies, G S Bhalja, CIE		The Hon'ble Mr J O Miller, CIE	1905
CHIEF COMMISSIONERS		S Ismail, CIE, (<i>Officiating</i>)	1906
Colonel E K Elliot	1860	Until 21st October 1906	
Lieut Colonel J A Spence (<i>Officiating</i>)	1862	A. F T Phillips (<i>Officiating</i>)	1907
Colonel L K Elliot	1863	Until 24th March 1907 Also from 20th May to 21st November 1909	
		The Hon'ble Sir R H Craddock, KCSI	1907
		" Mr H A Crump, CIE	1912
		Sub <i>pro tem</i> from 26th January 1912 to 16th February	
		The Hon'ble Mr W Fox Strangways, CIE, ((Sub <i>pro tem</i>))	1912
		The Hon'ble Sir B Robertson, KCSI, CIE	1912
		The Hon'ble Mr Crump, CIE (<i>Officiating</i>)	1914
		" Sir B Robertson, KCSI	1914
		" Sir Frank George Sly, KCSI, CIE	1919
		GOVERNORS	
		H L Sir Frank Sly, KCSI, CIE	1920
		H L Sir Montagu Butler, KCSI, CB, CIE, CVO, CBE, ICS	1925
		H E Mr J T Mutin, CIE, ICS, (<i>Officiating</i>)	1927
		H L Sir Montagu Butler, KCSI, CB, CIE, CVO, CBE, ICS	1927
		H L Sir A E Nelson, KCSI, OBE, ICS (<i>Officiating</i>)	1932
		H L Sir Montagu Butler, KCSI, CB, CIE, CVO, CBE, ICS	1932
		H L Sir Hyde Gowan, KCSI, CIE, VD, ICS	1933

CENTRAL PROVINCES LEGISLATIVE COUNCIL

PRESIDENT

The Hon'ble Mr S W A Rizvi, B A, LL B

EX OFFICIO MEMBERS

The Hon'ble Mr L Raghavendra Rao, Barrister at Law, Member of the Executive Council

The Hon'ble Mr Lyre Gordon, CII, ICS, Member of the Executive Council

MINISTERS

The Hon Rai Baladur K S Nayudu, B A, LL B

The Hon Mr B G Khaparde, B A, LL B

NOMINATED MEMBERS

Officials

Mr Noel James Roughton, CII, ICS, LL, Chief Secretary to the Government of the Central Provinces

Mr Thomas Cook Samuel Javaratnam, ICS, Secretary in the Settlement and Land Records Department, Central Provinces

Mr Rabindra Nath Banerjee, ICS, Revenue Secretary to the Government of the Central Provinces

Mr Chintaman Dwarkanath Deshmukh, ICS, Financial Secretary to the Government of the Central Provinces

Mr Clarence Field Hemson, ICS, Legal Remembrancer, Legal and Judicial Secretary to the Government of the Central Provinces (*Secretary to the Council*)

Mr Govardham Shrinikrishna Bhalla, ICS, Inspector, Co-operative Societies and District Industries Central Provinces

Mr Justice Albert Maurice D'S, Director of Public Instruction and Secretary in the Education Department Central Provinces

Mr John Hall Kitchie, ICS, Director of Agriculture, Central Province

A—Members elected from the Central Provinces

Name	Constituency
Mr Balraj Jalswara	Jubbulpore City, Non Muhammadan (Urban)
Mr Daduram	Jubbulpore Division (Urban)
Mr Badri Prasad Pujari	Chhattisgarh Division (Urban)
Mr Channu	Nerbudda Division (Urban)
Mr C B Parakh	Nagpur City and Campus
Lala Talmaraia	Do do
Mr T J Kedar	Nagpur Division (Urban)
Mr Sheoprasad Pandey	Jubbulpore District (South) Non Muhammadan (Rural)
Pandit Kashi Prasad Pande	Jubbulpore District (North)
Mr Humilal Verma	Damoh District
Mr Dulichand	Sagar District
Rai Sahib Dada Dwarkanath Singh	Sonol District
Choudhari Multhulal	Mandla District
Mr Waman Yado Deshmukh	Krupur District (North)
Mr Anjore Rao Kirdutt	Rajpur District (South)
Pandit Ramsingh Gaurha	Bilaspur District
Khan Sahib I I Tarapore	Braun District
Mr Gajadhar Prasad Jaiswal	Hoshangabad District
Mr Gopalrao Rambhai Joshi	Nimar District
Mr Arjunlal	Narsimhapur District
Seth Sheolal	Chhindwara District
Mr Chandan Lal	Betul District
Mr Ganpat Rao Shanker Rao Deshmukh	Nagpur District (West)
Rao Bahadur K S Navudu	Wardha District
Mr Shivrampersad Sultansprasad Tiwari	Wardha Sahel
Mr R S Dube	Chandrapur District
Mr Vinayak Damodar Kolte	Bhindara District
Khan Bahadur M M Mullna	Balaghat District
Mr Ifthikhar Ali	Jubbulpore Division (Rural), Muhammadan (Rural)
The Hon'ble Mr S W A Rizvi	Chhattisgarh Division (Rural)
Mr Syed Hifazat Ali	Nerbudda Division (Rural)
Mr Mahomed Yusuf Sharief	Nagpur Division (Rural)
Beohar Gulab Sing	Jubbulpore and Nerbudda Landholders, Special Constituencies
Thakur Manmohan Singh	Nagpur and Chhattisgarh Landholders
Mr D T Mangalmoorti	Nagpur University
Mr L H Bartlett	Central Provinces and Berar Mining Association
Seth Thakurdas Goverdhandas	Central Provinces Commerce and Industry

B—Members from Berar nominated after election

Mr Vithal Bhandhup Chaobal	Last Berar (Municipal) Non Muhammadan (Urban)
Mr R A Kamthkar	West Berar (Municipal)
The Hon'ble Dr Panjabrao Shumrao Deshmukh	Amraoti (Central) Non Muhammadan (Rural)
Mr Motirao Bajirao Lidske	Amraoti (East)
Rao Sahib Uttamrao Sitaramji Patil	Amraoti (West)
Mr Sridhar Govind Saphal	Akola (East)
Mr Umedsingh Narainsingh Thakur	Akola (North-West)
Mr Nuk Dinkarrao Dharrao Rajurkar	Akola (South)
Mr Yadav Madhav Kale	Buldana (Central)
Mr Tukaram Shanher Patil	Buldana (Mallapur and Jalgaon)
Mr Mahadeo Paikaji Kolhe	Yeotmal (East)
Mr Ganpat Sitaram Malvi	Yeotmal (West)
Mr Syed Mobinur Rahman	Berar (Municipal) Muhammadan (Urban)
Mr Muzaffar Husain (Deputy President)	East Berar (Rural), Muhammadan (Rural)
Khan Bahadur Mirza Raham Beg	West Berar (Rural)
Mr Balakrishna Ganesh Khaparde	Berar Landholders Special Constituencies
Rao Bahadur Gajanan Ramchandra Kothare	Berar Commerce and Industry

• North-West Frontier Province.

The North-West Frontier Province, as its name denotes, is situated on the north-west frontier of the Indian Empire. It is in form an irregular strip of country lying north by east and south by west and may generally be described as the tract of country, north of Baluchistan, lying between the Indus and the Durand boundary line with Afghanistan. To the north it extends to the mountains of the Hindu Kush. From this range a long broken line of mountains runs almost due south, dividing the province from Afghanistan, until the Sulaiman Range eventually closes the south of the Province from Baluchistan. The greatest length of the province is 408 miles, its greatest breadth 279 miles and its total area about 36,346 square miles. The territory falls into three main geographical divisions: the Cis-Indus district of Hazara, the narrow strip between the Indus and the Hills, containing the Districts of Peshawar, Kohat, Bannu and Dera Ismail Khan, and the rugged mountainous regions on the north and west between those districts and the border line of Afghanistan. Hazara and the four districts in the second division contain 13,518 square miles. The mountain regions, north and west, are occupied by tribes subject only to the political control of the Chief Commissioner in his capacity as Agent to the Governor-General. The area of this tract is roughly 22,828 square miles and in it are situated, from north to south, the political agencies severally known as the Malakand, Khyber, Kurram, North Waziristan and South Waziristan Agencies. Each of the Deputy Commissioners of the five administered districts is responsible for the management of political relations with certain tribes or sections of the tribes across the frontier. A few hundred miles of the trans-border Territory are internally administered by the Political Agents, but the bulk of the trans-border population is free from any internal interference, so long as offences are not committed and so long as the tribes observe the conditions on which allowances are paid to many of them.

The area of the Province is a little more than half that of Bombay (excluding Sind and Aden) and amounts to more than three fifths of the size of England without Wales. The density of population throughout the Province equals 99 persons to a square mile, but in the more favoured portions the pressure of population is much greater. In the Hazara District there are 208 persons to a square mile and in the trans-Indus plains tract the number is 156. Density for the 5 rented Districts 5,179 persons per square mile. The key to the history of the people of the N-W F P lies in the recognition of the fact that the valley of Peshawar was always more closely connected politically with Eastern Iran than with India, though in pre-Mahomedan times its population was mainly Indian by race. Early history finds the Iranians dominating the whole Indus valley. Then came the Greek invasion under Alexander the Great, in B.C. 327 then the invasions of

the Sakas, and of the White Huns and later the two great waves of Muhammadan invasion. Last came the Sikhs invasion beginning in 1818. The Frontier Territory was annexed by the British in 1849 and placed under the control of the Punjab Government. Frequent warfare occurred with the border tribes. The most serious phases of these disturbances were the war provoked by the aggression of Afghanistan in 1919 and the protracted punitive operations against the Waziris in 1919-1920. These have resulted in the establishment at Razmak, a position dominating the Mahsud Waziri country, of a permanent garrison of 10,000 troops drawn mostly from stations lying in the Plains immediately below the hills. A circular road from Bannu, through Razmak to Sararogha, Jandola and back to the Derajat provides communications transport with this force and facilitates its mobility. The effect of this measure has been a marked improvement in the internal peace of the Tribal area.

The division of the Frontier Province from the Punjab has frequently been discussed, with the double object, in the earlier stages of these debates of securing closer and more immediate control and supervision of the Frontier by the Supreme Government and of making such alterations in the personnel and duties of frontier officials as would tend to the establishment of improved relations between the local British representatives and the independent tribesmen. The province was eventually removed from the control of the Punjab administration in 1901. To it was added the political charge of Dir, Swat and Chitral, the Political Agent of which had never been subordinate to the Punjab. The new Province was constituted under a Chief Commissioner and Agent to the Governor-General, with headquarters at Peshawar, in direct communication with the Government of India in the Foreign and Political Department. In political questions there is no intermediary between the Chief Commissioner and the local officer, an arrangement designed to secure both prompt disposal of references and the utilisation of the expert knowledge of frontier conditions for which the head of the administration is selected. The advisability of re-uniting the Province with the Punjab was much discussed in certain Indian political circles and as a result of the views expressed upon the matter in the Legislative Assembly the Government of India in 1922 appointed a Committee of officials and unofficials to investigate it. The Committee, presided over by Mr D. de S. Bray, M.L.A., Joint Foreign Secretary, toured the Frontier Province and the Punjab and heard numerous witnesses. Its members were Messrs Raza Ali, M.C.S., T. Rangacharia, Chaudhri Shahabuddin, N. M. Samartha and K. B. Abdur Rahim Khan, members of the Legislative Assembly, H. N. Bolton, I.O.S. (Foreign Dept.) and A. H. Parker, I.O.S. (Punjab) (members). The inquiry developed practically into a contest between

Mahomedans and Hindus on communal lines. The Hindus, allied in sympathy with their co-religionists in the Punjab demanded the reunion of the administered districts of the Province with the Punjab or, if that were not attainable then the placing of the judicial administration of the Province under the Punjab High Court at Lahore. The Mahomedans on the other hand claimed the right of their Province to a status corresponding with that enjoyed by other Provinces of India and to immediate re-formulating and providing for provincialization, that line. The Hindus argued that a separate Pathan Province on the Frontier would cause a dangerous sentimental division from the rest of India, with leanings towards the allied racial elements outside British India. The answer to that was that a contented Pathan Province would be a valuable buttress against hostile feeling across the border. The Committee's deliberations ended in disagreement, the two Hindu members writing each a separate report favourable to the Hindu viewpoint already explained and the majority of the Committee comprised of all its other members recommending advance on a Provincial basis. Their principal recommendations were for—

Retention of the Settled Districts and Tribal Tracts as a separate unit in charge of a minor administration under the Government of India,

Early creation of a Legislative Council for the Settled District and appointment of Members of Council and Minister,

Appointment of a second Judicial Commissioner which has since been sanctioned and reform of the judicial administration in various directions, including interchange of officers with the Punjab so that the members of the Service in the smaller Province should have the advantage of experience in the larger one

'If (concluded the Majority) the Pathan nationality is allowed self-determination and given scope for that self-development within the Indian Empire under the Reforms Scheme after which it is now striving we are assured that with a contented Frontier population India can face with calm resolution the future that the Frontier has in store for her."

The People

The total population of the N-W F P (1931) is 4,684,364, made up as follows —

Hazara	669,636
Trans Indus Districts	1,755,440
Trans Border Area	2,259,288

This last figure is estimated. There are only 261 3 females per 1,000 males in the towns, and 872 2 females per 1,000 males in rural areas.

This disproportion of the sexes cannot at present be explained in the N-W F P any more than in other parts of Northern India where it also appears. The discrepancy is greater here than in any other Province of India. There is no ground for believing that the neglect of girls in infancy has any effect in causing the phenomenon. On the other hand, the female population has to face many trials which are unknown to men. The evils of unskilled mid-

wifery and early marriage are among them. Both the birth and death rates of the Province are abnormally low. The birth rate in the administered districts according to the latest available official reports, is 25 0 and the death rate 21 9.

The dominant language of the Province is Pushtu and the population contains a very high percentage of the population, both numerically and by social position are the Pathans. They own a very large proportion of the land in the administered districts and are the ruling race of the tribal areas to the west. There is a long list of Jethan, Baluch, Rajput and other tribal divisions. Gurkhas have recently settled in the Province. The Mahomedan tribes constitute almost the whole population, Hindus amounting to only 5 per cent of the total and Sikhs to a few thousands. The occupational cleavage of the population confirms racial divisions.

(Under the North West Frontier Province Law and Justice Regulation of 1901), custom governs all questions regarding successions, betrothal, marriage, divorce, the separate property of women, dower, wills, gifts, partitions, family relations such as adoption and guardianship, and religious usages and institutions, provided that the custom be not contrary to justice, equity or good conscience. In these matters the Mahomedan or Hindu law is applied only in the absence of special custom.

Climate, Flora and Fauna

The climatic conditions of the N-W F P which is mainly the mountainous region, but includes the Peshawar Valley and the riverine tracts of the Indus in Dera Ismail Khan District, are extremely diversified. The latter district is one of the hottest areas of the Indian continent, while on the mountain ranges the weather is temperate in summer and intensely cold in winter. The air is generally dry and hence the annual ranges of temperature are frequently very large. The Province has two wet seasons, one the S-W Monsoon season, when moisture is brought up from the Arabian Sea and the Bay of Bengal the other in winter, when storms from Mesopotamia, Persia and the Caspian Districts bring widespread rain and snowfall. Both sources of supply are precarious and not infrequently either the winter or the summer rainfall falls almost entirely. The following description of the Daman, the high ground above the Indus, stretching across Dera Ismail Khan to the mountains on the west, occurs in an account written some years ago by Captain Crosthwaite. "Men drink once a day and the cattle every second day. Washing is an impossible luxury. It is possible in the hot weather to ride thirty miles and neither hear a dog bark nor see the smoke of a single fire." With the exception of the Kunhar River, in Hazara, which flows into the Jhelum, the whole territory drains into the Indus. The flora of the Province varies from the shrubby jungle of the south eastern plains to barren hills, pine forests and fertile mountain valleys. Tigers used to abound in the forests but are

now quite extinct, leopards, hyenas, wolves, jackals and foxes are the chief carnivora. Bears, deer and monkeys are found, a great variety of fish is caught in the Indus.

The mountain scenery is often magnificent. The frontier ranges contain many notable peaks of which the following are the principal — Takht-i-Sulaiman, Sulaiman Range, in Dera Ismail Khan, 11,292 feet.

Pre Ghal, Sulaiman Range, in Mahsud Waziristan, 11,583 feet.

Sika Ram, in the Safed Koh, in the Kurram Agency, 15,621 feet.

Kagan Peaks of the Himalayas, in the Hazara District, 10,000 to 16,700 feet.

Istragh Peak (18,900 ft.), Kachin Peak (22,641 ft.), Tirich Mir (25,426 ft.), all in the Hindu Kush, on the northern border of Chitral Agency.

Trade and Occupations

The population derives its subsistence almost wholly from agriculture. The Province is practically without manufactures. There is no considerable surplus of commercial products for export. Any commercial importance which the province possesses it owes to the fact that it lies across the great trade routes which connect the trans border tribal territories and the marts of Afghanistan and Central Asia with India, but the influence of railways is diminishing the importance of these trading interests. Special mention may be made of the railway comparatively recently opened linking Baluchistan, in the south west of the N.W.F.P., *via* Nushki with south-east Persia. The line connects with the north west railway system of India and extends 343 miles to Duzdarp, within the Persian border. Two weekly trains run each way and the freight carried largely consists of carpets, wool and dates, from Persia and of tea, sugar and piece-goods from the Indian side. Though the railway is primarily strategic in purpose its commercial and political effects will be considerable. The travelling traders (or *Powin dabs*) from the trans frontier area have always pursued their wanderings into India and now, instead of doing their trading in towns near the border, carry it by train to the large cities in India. The Railway line from Pir to Lankeithina which is complete and open to public traffic now will similarly, in course of time, develop both the manner and amount of transport communications and trade. The new roads in Waziristan are already largely utilised by the tribal inhabitants for motor traffic. Prices of agricultural produce have in recent years been high, but the agriculturists, owing to the poverty of the means of communication, have to some extent been deprived of access to Indian markets and have therefore been unable to profit by the rates prevailing. On the other hand, high prices are a hardship to the non agricultural classes. The effects of recent extensions of irrigation have been important. Land tenures are generally the same in the British administered districts as in the Punjab. The cultivated area of the land amounts to 25 per cent and uncultivated to 75 per cent.

The work of civilisation is now making steady progress, both by the improvement of communications and otherwise. Relations with the tribes have improved, trade has advanced, free medical

relief has been vastly extended, police administration has been reformed and the desire of people for education has been judiciously and sympathetically fostered, though in this respect there is complaint against the limitations imposed by financial embarrassments. In the British administered districts 19 per cent males and 7 per cent females of the total population are returned as literates. The figures for males denote a very narrow diffusion of education even for India. Those for females are not notably low, but they are largely affected by the high literacy amongst Sikh women, of whom 13.3 per cent are returned as literate. The inauguration of a system of light railways throughout the Province, apart from all considerations of strategy, must materially improve the condition of the people and also by that means strengthen the hold of the administration over them. The great engineering project of the Upper Swat River Canal, which was completed in 1914, and the lesser work of the Paharpur Canal, also completed a few years ago, will bring ease and prosperity to a number of peasant homes.

Administration

The administration of the North West Frontier Province is conducted by H. E. the Governor in Council and Agent to the Governor-General. His staff consist of—

- (1) The Hon'ble Member of the Executive Council
- (2) The Hon'ble Minister Transferred Departments
- (3) The Hon'ble the President, Legislative Council
- (4) Officers of the Political Department of the Government of India
- (5) Members of the Provincial Civil Service
- (6) Members of the Subordinate Civil Service
- (7) Superintendents and Assistant Superintendents of Police
- (8) Officers recruited for the service of departments requiring special knowledge—Militia, Engineering, Education, Medicine and Forestry.

The cadre posts reserved for officers coming under the fourth head above are —

Administration	H. E. the Governor and Agent to the Governor-General	7
	The Hon'ble Member of the Executive Council	
	Chief Secretary	
	Secretary, Transferred Departments	
	Under-Secretary	1
	Revenue and Divisional Commissioner and Revenue Secretary	
	Resident in Waziristan	
	Dy. Commissioners	
	Political Agents	12
	Senior Sub Judges	
	Asst. Commissioners and Asst. Political Agents	13
	Two Judicial Commissioners	
	Two District and Sessions Judges	4
	One Additional ditto	

The districts under the Deputy Commissioners are divided into from two to five sub-collectorates in charge of tahsildars, who are invested with criminal and civil and revenue powers, and are assisted by naib tahsildars, who exercise only criminal and revenue powers. Some sub divisions are in charge of Assistant or Extra Assistant Commissioners. The village community characteristic of some parts of India is not indigenous among the Pathans. Its place as a social unit is to some extent taken by the tribe, which is held together by the ties of kinship and ancient ancestry, real or imaginary. Modern municipal local government has been introduced in the towns. There are also district boards. The district is the unit for police, medical and educational administration and the ordinary staff includes a District Superintendent of Police, a Civil Surgeon, the Superintendent of Jail and a District Inspector of Schools. The Province forms a single educational circle and only possesses one forest division that of Hazara. The P W D of the Province carries out duties connected with both Irrigation and Buildings & Roads. It is organised in two circles (in all seven Divisions), under a Chief Engineer, P W D, who is also *ex officio* Secretary to H E the Governor in Council. The administration of the civil police force of the districts is vested in an Inspector-General. There is a special force of Frontier Constabulary. The revenue and expenditure of the Province are wholly Imperial. Of the Agencies only Kurram and Tochi Valley pay land revenue to the British Government. The revenue administration of all five administered districts is controlled by the Revenue and Divisional Commissioner. For the administration of civil and criminal justice there are two Civil and Sessions districts, each presided over by a District and Sessions Judge. The two Judicial Commissioners are the controlling authority in the Judicial branch of the administration, and their Courts are the highest criminal and appellate tribunals in this Province. The improvements needed to bring the judicial administration up to date, in accord with the growth of the business of administration, are dealt with in the Inquiry Committee's report to which reference was made above.

A Governor's Province—In January 1932 it was announced that the Province would be constituted as a Governor's Province, and the application to the Province of the provisions of the Government of India Act was gazetted, subject to the following modifications—

(a) that the number of members of the Legislative Council shall be forty,

(b) that the maximum annual salary of the Governor shall be Rs 66,000 and of a member of the Executive Council Rs 42,000, and

(c) that Section 58 of the said Act shall cease to have effect in its application to the Province. This notification shall have effect from such date or dates in respect of any or all provisions as may be notified.

Electoral rules were notified in February 1932

The Administration

The principal officers in the present Administration are—

H L the Governor and Agent to the Governor General—H L Lieut Col Sir Ralph Griffith, KCSI, CIE (Assumed charge 18th April 1932)

Private Secretary—Captain L M Barlow, MC
Aide de-Camp—Lieut N M W Kile

The Hon'ble Member of the Executive Council—Mr G Cunningham, CSI, CIE, OBE, ICS
Resident, Waziristan—Lieut-Col A E B Parsons, CBI, DSO

Judicial Commissioner—L Middleton ICS

Additional Judicial Commissioner—Khan Bahadur Saaduddin Khan, BA, LLB

Revenue and Divisional Commissioner—J S Thomson

Chief Secretary to Government, NWFP—O K Caroe, CIE, ICS

Secretary to Government, Transferred Departments—A D Dundas, ICS

Under Secretary to Chief Commissioner—Capt G C L Crichton

Financial Secretary to Government, NWFP—Rai Bahadur Lal Chuni Lal

Asstt Financial Secy to Govt, NWFP—S Ata Elahi Siddiqi

Indian Personal Assistant, H E the Governor—Khair Shuh Haji Gulam Nisqishband Khan

Secretary, Public Works Department—F H Burkitt, CIE, OBE

Civil Hospitals

Inspector General of Prisons—Col C I Brierley, CIE, ICS

Inspector General of Police—J H Adam, OBE
Commandant, Frontier Constabulary—H Lillie, IP

Director of Public Instruction—T C Orgill, MA, GES

Superintendent, Archaeological Survey, Frontier Circle—J F Blakiston

District and Sessions Judge—A J Hopkinson, ICS (Peshawar)

J H Thompson, ICS (Derajat)

Political Agents

L W H D Bes, OBE, MC, Dir Swat and Chitral

K B Risaldir Maghal Bakhsh, OBL, IOM, IDSM

Captain K C Packman, North Waziristan

Capt B P Ross Hurst, MC, Kurram

Brevet Major H H Johnson, MM, South Waziristan

Deputy Commissioners

Capt Iskander Mirza, Hazara

J G Acheson, CIE, ICS, Peshawar

Major J R L Bradshaw, Derai Ismail Khan

Captain C H Smith, Kohat

Captain M C Sinclair, Bannu

Former Chief Commissioners

The Hon'ble Lieutenant-Colonel Sir Harold Deane, KCSI, from 9th November 1901 to 3rd June 1908. Died 7th July 1908

The Hon Lieutenant-Colonel Sir George Roos Keppel, K C I E, K C S I, from 4th June 1908 to 9th September 1919
 The Hon'ble Sir Alfred Hamilton Grant, K C S I, K C I F, from 10th September 1919 to 7th March 1921
 The Hon'ble Sir John Loader Maffey, K C V O, C S I, I C S, from 8th March 1921 to 6th July 1923
 The Hon'ble Sir Horatio Norman Bolton, K C I E, C S I, I C S, from 7th July 1923 to 30th April 1930
 The Hon'ble Sir Stuart Pears, K C I E, C S I, I C S, from 10th May 1930 to 9th September 1931

N W F PROVINCE LEGISLATIVE COUNCIL

The Hon'ble K B Khan Abdul Ghafur Khan, Khan of Zaida (*President*)
 K B Abdul Rahim Khan, M B E, Bar at Law (*Deputy President*)
 Sheekh Abdul Hamid, B A, LL B (*Secretary*)

EX-OFFICIO MEMBERS AND MINISTERS

The Hon'ble Mr G Cunningham, C S I, C I E, O B I, Executive Councillor
 The Hon'ble K B Nawab Sir Abdul Qayum Khan, K C I E, Minister to the Government
 N W F P

OFFICIALS NOMINATED MEMBERS

Thompson, Mr J S, I C S, Revenue and Division Commissioner, 10, The Mall, Peshawar Cantonment
 Dundas, Mr A D F, I C S, Secretary to Government, Transferred Departments, 5, Circular Road, Peshawar Cantonment
 Adam, Mr J H, O B E, Inspector-General of Police, Commissioner Road, Peshawar Cantonment
 Rai Bahadur Chuni Lal, Financial Secretary to Government, Peshawar Cantonment
 Khan Sahib Qazi Mir Ahmed, B A, LL B (Alig), Legal Remembrancer to Government, Roose Keppel Lane, Peshawar Cantonment

NON OFFICIALS NOMINATED MEMBERS

Allah Nawaz Khan, Nawabzada, Representative of general interests, Dera Ismail Khan
 Khan Ghulam Rabbani Khan, B A, LL B (Alig), Representative of general interests, Mansehra, Hazara District
 Hassan Ali Khan, Sultan, Khan Sahib, of Boi, Representative of general interest, Boi Mansehra Tahsil, Hazara District
 Khan Malik-kur Rahaman Khan, Kayani, M A, Representative of general interests, Sahpur, Kohat District
 Narayan Singh Bedi, Babar, B A, Representative of general interests, Ganj Street, Peshawar City

ELECTED MEMBERS

Khan Abdul Ghafur Khan, Hashtnagar (Muhammadan), Bar-at-Law, Peshawar
 Abdul Qayum Khan, Mr, B A, LL B (Alig), Outer Mansehra (Muhammadan) Mansehra, Hazara District

Abdur Rahman Khan, Arabab, Dazba cum-Drud 721 (Muhammadan), Gali Gulla, Post Office Nahrqui, Peshawar District
 Khan Abdul Hamid Khan, Kundi, B A, LL B (Alig), North West Frontier Province (Landholders), Pleader, Gul Imam, Dera Ismail Khan District
 Baz Muhammad Khan, Khan Bahadur Nawab Kohat East (Muhammadan), Teri, Kohat District
 Ghulam Haider Khan, Khan Bahadur, Bannu North (Muhammadan), Bazar Ahmad Khan, Bannu District
 Ghulam Hassan Ali Shah alias Hassan Gul Pir, Kohat West (Muhammadan), Naryab, Kohat District
 Khan Hidayatullah Khan, Peshawar District (Landholders), Umarzai, Tashil Charsadda, Peshawar District
 Khan Habibullah Khan, B A, LL B (Alig), Bannu South (Muhammadan), Pleader, Lakki, Bannik District
 Hamidullah Khan, Khan Bahadur Nawab, Razzar cum Amazai (Muhammadan), Toru, Peshawar District
 Hazara Isher Das, Rai Bahadur Lala, M A, LL B, (Non Muhammadan), Nawanshahr, Hazara District
 Karim Chand, Rai Bahadur, O B F, Mardan (Non Muhammadan), Peshawar Cantonment
 Khudr Baksh Khan, Malik, B A, LL B, Other Towns (Muhammadan), Pleader, Dera Ismail Khan
 Ladda Ram, Lala, B A, LL B, Kohat cum-Bannu (Non Muhammadan), Pleader, Bannu City
 Muhammad Zamru Khan, Khan Sahib, Hazara Central (Muhammadan), Khulab, Hazara District
 Khan Muhammad Abbas Khan, Inner Mansehra (Muhammadan), Mansehra, Hazara District
 Muhammad Sharif Khan, Arabab, B A, Khalsi-cum-Bara (Muhammadan), Land Yarghjo, Peshawar District
 Muhammad Ayub Khan, Mr, Mardan Kimalzar-cum-Bazari (Muhammadan), Khundi Khan Khelan, Hoti, Peshawar District
 Mehar Chand Khanna, Rai Sahib Lala B A, Peshawar City (Non Muhammadan), Saddar Bazar, Peshawar Cantonment
 Nur Bakhsh, Maulvi, B A, LL B, Dera Ismail Khan East (Muhammadan), Pleader, Dera Ismail Khan
 Pir Bakhsh, Mr, M A, LL B (Alig), Peshawar City (Muhammadan), Pleader, Kissa Khani, Peshawar City
 Rajah Singh, Sardar, M A, LL B, North-West Frontier Province (Sikh), Advocate, 1, Cavalry Lane, Peshawar Cantonment
 Rochi Ram, Rai Sahib Lala, Dera Ismail Khan (Non-Muhammadan), Contractor, Dera Ismail Khan
 Sultan Muhammad Khan, Khan Bahadur, Hazara South (Muhammadan), Bir, Hazara District
 Samundar Khan, Mr, Hazara East (Muhammadan), Banda Pir Khan, Hazara District
 Taj Muhammad Khan, Khan Bahadur, O B F, Nowshera (Muhammadan), Badrashi, Nowshera

Assam.

The Province of Assam, omitting the partly adulterated land and undrained bare tracts on its northern and eastern borders, comprises an area of some 67,771 square miles. It includes the Assam Valley Division, the Surma Valley and Hill Division and the State of Manipur. It owes its importance to its situation on the north-east frontier of India. It is surrounded by mountainous ranges on three sides, while on the fourth (the west) lies the Province of Bengal on to the plains of which debouch the two valleys of the Brahmaputra and the Surma, which form the plains of Assam. These two valleys are separated from each other by the Assam Range, which projects westward from the hills on the eastern border.

Population

The total population of the Province in 1931 was 9,217,857, of whom 445,606 were in Manipur. Of the population in 1931 nearly 5½ millions were Hindus, over 2½ millions were Muslims, a million belonged to tribal religions and a quarter of a million were Christians. 43 per cent of the population speak English, 21 per cent speak Assamese, other languages spoken in the province are Hindi, Oriya, Mundari, Nepali and a great variety of languages classified under the general heading of the Tibeto-Chinese languages. Owing to the great areas of waste and rivers the density of the province is only 137, which compared with that of most other parts of India is low.

Agricultural Products

It has agricultural advantages for which it would be difficult to find a parallel in any part of India, climate, soil, rainfall and river systems all being alike favourable to cultivation. Rice is the staple food crop, nearly 48,70,500 acres being devoted on this crop. Except in the Himalayan Terai irrigation is unnecessary. Tea and jute are the most important crops grown for export. The area under tea consists of 1,28,120 acres. Wheat and tobacco are also grown and about 32,007 acres are devoted to sugarcane.

Meteorological Conditions

Rainfall is everywhere abundant, and ranges from 23.30 to 241.76 inches. The maximum is reached at Cherrapunji in the Khasi Hills, which is one of the wettest places in the world, having a rainfall of 520.09 inches. The temperature ranges from 59 at Sibsagar in January to 81.8 in July. Earthquakes of considerable severity have taken place by far the worst being that which occurred in 1897.

Mines and Minerals

The only minerals in Assam worked on a commercial scale are coal, limestone and petroleum oil. The most extensive coal measures are in the Naga Hills and the Lakhimpur districts, where about 202,959 tons were raised in 1932. Limestone is quarried in the Khasi and Jaintia Hills. Petroleum is worked only in Lakhimpur and Cachar.

An account of the petroleum occurrences in Assam was recently published in the memoirs of the Geological Survey of India. It states that the petroleum localities in this province are confined to a curved belt of country along the basins of the Brahmaputra and

Surma. This belt extends for a distance of some 100 miles from the Assam-Imphal Cachar and Chittagong to the Arakan coast where it has a small tract.

Manufactures and Trade

Silk rearing is carried on in the Assam Valley and the hill tracts, but does not play a prominent part in the Assam economy. The valley is practically by the Assam and other rivers, which contains a large number of industries, gradually developed by imported goods of fine texture and colour. The manufacture of the most important articles of the province, Betel building, tea, paper, and other earth products, and lime, cement, and other building materials apart from a few small industries employ about 40 per cent of the population. Assam carries on a considerable trade with the adjoining foreign territories.

Communications

Much of the trade of Assam is carried by river. The excellence of its water communications makes the province less dependent upon roads than other parts of India. A large fleet of steamers maintained by the India General Navigation Company and the Pivers Steam Navigation Company ply on the rivers in both valleys. An alternate day service of passenger boats runs between Goalundo and Dibrugarh. In recent years the road system has developed. There is an unmetalled trunk road through the length of the Assam Valley and excellent metalled roads from Shillong to Gauhati and to Cherrapunji and also between Dimapur, on the Assam Bengal Railway, and Imphal, the capital of the Manipur State. A motor road, connecting Shillong with the Surma Valley, has been completed and opened to traffic. The portion between Jaintiapur and Saitet is being metalled. The Government of Assam have recently launched into a large programme of road improvements but has to be postponed on account of financial depression. About 795 miles are to be bridged throughout and the surface improved by metalling and gravelling where possible. *Kutcha* roads will be maintained by means of mechanical plant which has proved successful in maintaining, throughout the year, a surface fit for motor vehicles. Motor traffic has increased on all sides and the demands for better roads has been insistent. The open mileage of railway has also shown a steady improvement and several branch lines to the Assam Bengal Railway system have been added in recent years. The main Assam Bengal Railway line runs from Chittagong Port, in Bengal, through the North Cachar Hills to Jinsukla, a station on the Dibru Sadia Railway and connects the Surma and Brahmaputra Valleys. A branch of the line runs from Badarpur to Silchar at the Eastern end of the Surma Valley and another runs through the west of the Assam Valley from Lumding to Gauhati where it effects a junction with the Eastern Bengal Railway. The Eastern Bengal Railway connects Assam with the Bengal system via the Valley of the Brahmaputra. An extension towards Rangapora from Tangla junction, along the North Bank of the Brahmaputra has been opened to traffic.

THE FINANCES OF ASSAM

In common with the other Provinces of India, Assam secured substantial financial autonomy under the Reform Act of 1919. The present financial position for 1933-34 is set out in the following table—

<i>Principal Heads of Revenue—</i>		Trs			Trs
Taxes on Income		1,75	Miscellaneous Railway expenditure		1
Salt			Construction of Railways		nil
Land Revenue	1	13,00	Navigation, Embankments Drainage Works		65
Duties		37,49	Interest on ordinary Debt		3 80
Stamps		18,20	Appropriation for reduction or		
Forest		14,24	avoidance of debt		2,52
Registration		1,67	General Administration		23,35
<i>Railways—</i>			Administration of Justice		9,54
State Railways—			Jails and Convict Settlements		5 01
Gross receipts			Police (other than Assam Rifles)		24,60
<i>Deduct—Working expenses</i>			Police (Assam Rifles)		3,37
Net receipts			Ports and Pilotage		29
Subsidised Companies			Scientific Departments		3
Total			Education (European)		73
<i>Debt Services—</i>			Medical		1
Interest		1,09	Miscellaneous Departments		28
<i>Civil Administration—</i>			Civil Works		35,97
Administration of Justice		1,88	Famine Relief and Insurance		2
Jails and Convict Settlements		57	Superannuation Allowances and		
Police		1,66	Pensions		11,35
Ports and Pilotage			Stationery and Printing		2,76
Education		3,09	Miscellaneous		3,19
Medical		1,77	Extraordinary charges		17
Public Health		78	Contributions to the Central Govern-		
Agriculture		1,10	ment by the Provincial Government		
Industries		6	Total Reserved Subjects		159 91
Miscellaneous Departments		33	<i>Transferred Subjects—</i>		
<i>Buildings, Roads and Miscellaneous</i>			Land Revenue		
<i>Public Improvements—</i>			Duties		5,43
Civil Works		7,21	Registration		1 50
<i>Miscellaneous—</i>			General Administration		99
Receipts in aid of Superannuation		17	Scientific Departments		nil
Stationery and Printing		42	Education (other than European)		30 46
Miscellaneous		87	Medical		12 30
<i>Contributions and Assignments to and from the</i>			Public Health		6 15
<i>Central Government—</i>			Agriculture		6,76
Miscellaneous adjustments between			Industries		1,69
the Central and Provincial Govern-			Miscellaneous Departments		1
ments			Civil Works		3,72
Revenue in England			Stationery and Printing		55
<i>Capital Revenue—</i>			Miscellaneous		2 44
Recoveries of loans and advances by			Total Transferred subjects		72 06
the Assam Government		6,84	<i>Capital Expenditure—</i>		
Loan from the Provincial Loans Fund		30,08	Forest capital outlay not charged to		
Appropriation for reduction or			revenue		5
avoidance of debt		2,52	Civil Works not charged to revenue		nil
Government Press—			Payment of commuted value of pen-		
Depreciation Fund			sions not charged to revenue		83
Provincial Subvention from Central			Payment of gratuities retrenched personnel		40
Road Development Account		1,80	Government Press Depreciation Fund		nil
Suspense			Advances from the Provincial Loans Fund		252
Total receipts		2,48,59	Loans and advances by the Assam		
Opening Balance			Government		85
Grand total		2,48,59	Provincial Subvention from Central		
<i>Reserved Subjects—</i>			Road Development Account		2 06
Land Revenue		71,05	Suspense		nil
Stamps		48	Expenditure in England		9 67
Forest		12,56	Total expenditure		2,48,59
Police		47	Closing balance		nil
State Railways		50	Grand Total		2,48,59
Subsidised Companies		nil			

Administration

The province of Assam was originally formed in 1874 in order to relieve the Lieutenant-Governor of Bengal of part of the administration of the huge territory then under him. In 1905, as the result of further deliberations, it was decided to add to the small Province of Assam the eastern portion of its unwieldy neighbour and to consolidate those territories under a Lieutenant-Governor. The Province of Eastern Bengal and Assam was then constituted was again broken up on the 1st of April, 1912 the Eastern Bengal Districts were united with the Bengal Commissionerships of Burdwan and the Presidency to form the Presidency of Bengal under a Governor-in-Council, Bihar, Chota-Nagpur and Orissa were formed into a separate province, while the old Province of Assam was re-constituted under a Chief Commissioner.

Under the Indian Reforms Act of 1919 the Province was raised in status to that of administration by a Governor-in-Council and was thereby ranked, with certain minor provinces, to suit its undeveloped character with the older major provinces of India.

The capital is Shillong, a town laid out with great taste and judgment among the pine woods on the slopes of the Shillong Range which rises to a height of 6,450 feet above the sea. It was destroyed in the earthquake of 1897 and has been rebuilt in a way more likely to withstand the shocks of earthquake.

GOVERNOR

H E Sir Michael Kerne, KCSI, CIE, ICS

EXECUTIVE COUNCIL

The Hon'ble Maulavi Sayid Sir Muhammad Saadulla, KT, MA, BL

The Hon'ble Mr A J Laine, CIE, ICS

MINISTERS

The Hon'ble Maulavi Abdul Hamid, BL

The Hon'ble Rai Bahadur Kanak Lal Barua, BL

PERSONAL STAFF OF HIS EXCELLENCY THE GOVERNOR

Private Secretary, Capt R C Cruddas, The Duke of Cornwall's Light Infantry

Aide de Camp, Lieutenant A E H Campbell, The Queen's Own Cameron Highlanders

Honorary Aide de Camp, Subadar-Major Sardar Bihadur Narsing Mall, IDS M

Honorary Aide-de Camp, Subadar Krishna Lal Chettie

Honorary Aide de Camp, Lt Col J P Moran, VD

SECRETARIES, ETC TO GOVERNMENT

Chief Secretary, J A Dawson, CIE, ICS

Secretary to Government (Finance and Revenue), C K Rhodes, ICS

Secretary to Government (Transferred Departments), H G Dennehy, ICS

Under Secretary to Government, C B C Prince, ICS

Under Secretary (Transferred Departments), N N Phukan, BL

Secretary to Government (Legislative Department and Secretary to the Assam Legislative Council), M H B Lethbridge, ICS (offg)

Secretary to Government in the P W D, E P Burke, ICS

Superintending Engineer, B F Taylor, ICS

Under Secretary, P W D, Devi Doyal, ICS

Assistant Secretary, Finance and Revenue Departments, A V Jones, VD

Registrar, Assam Secretariat (Civil), Ubaid ur Rahman

Registrar, Assam Secretariat (P W D), D C Das

HEADS OF DEPARTMENTS

Director of Land Records & Surveys, I G Registration, etc, W L Scott, OIR, ICS

Director of Industries and Registrar of Co-operative Society & Village Authorities, I Majid ICS, (offg)

Director of Agriculture, T N Chakrabarty, (offg)

Superintendent, Civil Veterinary Department, G B Sen (in charge)

Conservator of Forests, Assam, A J W Milroy

Commissioner of Excise, Registrar of Joint Stock Companies, Assam, C S Mullian, ICS

Superintendent and Remembrancer of Legal Affairs and Administrator General, M H B Lethbridge, ICS

Inspector-General of Police, T P. M O Callaghan, CIE

Director of Public Instruction, D E Roberts (offg)

Inspector General of Civil Hospitals and Prisons, Col J P Cameron, CIE, CSI

Director of Public Health, Lt-Col T D Munson

Chief Engineer, E P Burke

GOVERNORS

Sir Nicholas Dodd Beatson Bell, KCSI, KCIE, 1921

Sir William Sinclair Munro, KCSI, KCIE, 1922

Sir John Henry Kerr, KCSI, KCIE, 1925

Sir William James Reid, KCIE, CSI, 1925

Sir Egbert Laurie Lucas Hammond, KCSI, CBE, 1927

Sir Michael Kerne, KCSI, CIE, 1932,

ASSAM LEGISLATIVE COUNCIL.

The Hon'ble Maulavi Faiznur Ali (President)
 The Hon'ble Maulavi Sayid Sir Muhammad Saadulla, Kt }
 The Hon'ble Mr A J Laine, C I E, I C S (Ex officio)

Names	Constituency by which elected
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ELECTED MEMBERS

The Rev J J M Nichols-Roy	Shillong (General Urban)
Babu Sanat Kumar Das	Silchar (Non-Muhammadian Rural)
Babu Harendra Chandra Chakrabarti	Hailakandi ditto
Babu Birendra Lal Das	Sylhet Sadar ditto
Babu Kalicharan Muchi	Sunamganj ditto
Rai Bahadur Nagendra Nath Chaudhuri	Habiganj (North) ditto
Babu Jitendra Kumar Pal Chaudhuri	Habiganj (South) ditto
Banu Chiratan Mochi	South Sylhet ditto
Mr Sasanka Mohan Das	Karimganj ditto
Kumar Pramathesh Chandra Barua	Dhubri ditto
Srijiit Rohini Kumar Chaudhuri	Gauhati ditto
Srijiit Bepin Chandra Ghose	Goalpara ditto
Rai Bahadur Rajani Kanta Chaudhuri	Barpeta ditto
Rai Sahib Dulim Chandra Bara	Tezpur ditto
Kumar Bhupendra Narain Deb	Mangaldai ditto
Srijiit Brindaban Chandra Goswami	Nowgong ditto
Srijiit Jogendra Nath Gohain	Sibsagar ditto
Srijiit Kasi Nath Saikia	Jorhat ditto
Srijiit Mohendra Nath Gohain	Golaghat ditto
Rai Bahadur Nilambar Datta	Dibrugarh ditto
Srijiit Sarveswar Barua	North Lakhimpur ditto
The Hon'ble Maulavi Abdul Hamid	Sylhet Sadr (North) (Muhammadian Rural)
Haji Idris Ali Parlaskar	Cachar ditto
Vacant	Sylhet Sadr (South) ditto
Maulavi Munawar Ali	Sunamganj ditto
Maulavi Abdur Rahim Chaudhury	Habiganj (North) ditto
Maulavi Saliid Abdul Mannan	Habiganj (South) ditto
Maulavi Abdul Khaliq Chaudhury	South Sylhet ditto
Maulavi Mahmud Ali	Karimganj ditto
Maulavi Abul Mazid Ziaoshshams	Dhubri ditto
Maulavi Mizanar Rahman	Goalpara cum South Sal-
Khan Sahib Maulavi Nuruddin Ahmed	maria Thana ditto
The Hon'ble Maulavi Faiznur Ali	Kamrup and Darrang ditto
Mr L I Godwin	cum Nowgong
Mr E S Roffey	Sibsagar cum Lakhimpur ditto
Mr H W Hockenhuil	Assam Valley Planting
Ms W E D Cooper	Ditto
Mr F J Heathcote	Ditto
The Hon'ble Rai Bahadur Kanak Lal Barua	Surma Valley Planting
	Ditto
	Commerce and Industry

NOMINATED MEMBERS

Officials

W A Cosgrave, C I R	S P Doss
I P Burke	D E Roberts
C K Rhodes	

Non-Officials

Sreejuti Atul Krishna Bhattacharya	Rev Panuram Sanki representing the labouring classes
Srijiit Mahendra Lal Das	Subadar Major Sardar Bahadur Tanwar Lama, O B I, I D S M (representing the inhabitants of Backward Tracts)
Khan Sahib Maulavi Muhammad Miskhan	Khan Bahadur Maulavi Karamat Ali Jorhat
Rai Sahib Puri Mohan Das	

Baluchistan.

Baluchistan is an oblong stretch of country occupying the extreme western corner of the Indian Empire. It is divided into three main divisions (1) British Baluchistan with an area of 9,476 square miles consisting of tracts assigned to the British Government by treaty in 1879 (2) Agency Territories with an area of 41,345 square miles composed of tracts which have, from time to time, been acquired by law or otherwise brought under control and placed directly under British officers, and (3) the Native States of Kalat and Las Bela with an area of 80,410 square miles. The Province embraces an area of 131,638 square miles and according to the census of 1931 it contains 868,617 inhabitants.

The country, which is almost wholly mountainous, lies on a great belt of ranges connecting the Safed Koh with the hill system of Southern Persia. It thus forms a watershed the drainage of which enters the Indus on the east and the Arabian Sea on the south while on the north and west it makes its way to the inland lakes which form so large a feature of Central Asia. Rugged, barren, sun-burnt mountains, rent by high chasms and gorges, alternate with arid deserts and stony plains, the prevailing colour of which is a monotonous sight. But this is redeemed in places by level valleys of considerable size in which irrigation enables much cultivation to be carried on and rich crops of all kinds to be raised.

The political connection of the British Government with Baluchistan commenced from the outbreak of the First Afghan War in 1839, it was traversed by the Army of the Indus and was afterwards occupied until 1842 to protect the British lines of communication. The districts of Kachi, Quetta and Mastung were handed over to the Amir of Afghanistan and Political Officers were appointed to administer the country. At the close of the First Afghan War, the British withdrew and these districts were assigned to the Khan of Kalat. The founder of the Baluchistan Province as it now exists was Sir Robert Sandeman who broke down the close border system and welded the Baluch and Brahui Chiefs into a close confederacy. In the Afghan War of 1879 Pishin, Shorapur, Sibi, Zawara Valley and Thal Chotiali were handed over by Yakub Khan to the British Government and retained at Sir Robert Sandeman's strenuous insistence.

Industries

Baluchistan lies outside the monsoon area and its rainfall is exceedingly irregular and scanty. Shahrigh, which has the heaviest rainfall, records no more than 11½ inches in a year. In the highlands few places receive more than 10 inches and in the plains the average

rainfall is about 5 inches decreasing in some cases to 3. The majority of the indigenous population are dependent for their livelihood on agriculture, care of animals and provision of transport. The majority of the Afghan and the Baluch agriculturists cultivate their own lands. The Brahuis dislike agriculture and prefer a pastoral life. Previous to the advent of the British, life and property were so insecure that the cultivator was fortunate if he reaped his harvest. The establishment of peace and security has been accompanied by a marked extension of agriculture which accounts for the increase in the numbers of the purely cultivating classes. The Mekran Coast is famous for the quantity and quality of its fish and the industry is constantly developing. Fruit is extensively grown in the highlands and the export is increasing.

Education is imparted in 105 public schools of all kinds with 7,663 scholars. There is a distinct desire for education amongst the more enlightened headmen round about Quetta and other centres but on the whole education or the desire of it has made little or no advance in the outlying districts. Coal is mined at Sharigh and Harnai on the Sind Pishin Railway and in the Bolan Pass. The output of coal in 1929-30 was 16,950 tons. Chromite is extracted in the Zhob District near Hindubach. The chrome output fell off owing to poorer demand. Lime stone is quarried in small quantities. The output of chromite during 1929-30 amounted to 17,000 tons.

Administration

The head of the local administration is the officer styled Agent to the Governor-General and Chief Commissioner. Next in rank comes the Revenue Commissioner who controls the revenue administration and exercises the functions of a High Court as Judicial Commissioner of the Province. The keynote of administration in Baluchistan is self-government by the tribesmen, as far as may be, by means of their Jirgas or Councils of Elders along the ancient customary lines of tribal law, the essence of which is the satisfaction of the aggrieved and the settlement of the feud, not retaliation on the aggressor or the vindictive punishment of a crime. The district levies play an unobtrusive but invaluable part in the work of the Civil administration not only in watch and ward and the investigation of crime, but also in the carrying of the mails, the serving of processes and other miscellaneous work. In addition to these district levies there are ordinarily three irregular Corps in the Province the Zhob Militia, the Mekran Levy Corps and the Chagai Levy Corps. Fundamentally the Province is not self-supporting the deficit being met from Imperial Funds.

Aden.

Aden was the first new territory added to the Empire after the accession of Queen Victoria. Its acquisition was the outcome of an outrage committed by local Arabs upon the passengers and crew of a British Indian bungalow wrecked in the neighbourhood. Negotiations having failed to secure satisfactory reparation the Government of Bombay despatched a force under Major Bullie which captured Aden on January 19th, 1839.

Aden is an extinct volcano, five miles long and three broad, jutting out so much as Gibraltar does, having a circumference of about 15 miles and connected with the mainland by a narrow isthmus of flat ground. The highest peak on the wall of precipitous hills that surrounds the old Crater which constitutes Aden is 1,725 feet above sea level. Rugged spurs, with valleys between, radiate from the centre to the circumference of the crater. The peninsula of Little Aden, adjacent to Aden proper, was obtained by purchase in 1868 and the adjoining tract of Shaikh Othman, 39 square miles in extent, was subsequently purchased when, in 1882, it was found necessary to make provision for an overflowing population. Attached to Aden is the island of Perim, 5 square miles in extent, in the Straits of Babel Mandeb at the entrance to the Red Sea. The Kurra Murra islands, which were acquired from the Sultan of Muscat in 1854, were attached to the Aden Residency until 1931, when they were transferred to the control of the British Resident in the Persian Gulf.

The whole extent of the Aden Settlement, including Aden, Little Aden, Shaikh Othman and Perim, is approximately 80 square miles. The 1931 census showed Aden, with Little Aden, Shaikh Othman, and Perim to have a population of 48,338. The population of Perim is 1,700 largely dependent on the Coal Depot maintained there by a commercial firm.

The language of the Settlement is Arabic, but several other Asiatic tongues are spoken. The population is chiefly Arab. The chief industries are salt and cigarette manufacture and dhow building. The crops of the tribal low country adjoining are jowar, sesamum, a little cotton, madder, a bastard saffron and a little indigo. In the hills, wheat, madder, fruit, coffee and a considerable quantity of wax and honey are obtained. The difficult problem of water supply has recently been solved. An artesian supply of fresh water has been obtained at Sheikh Othman. Early in 1924 a start was made with a deep bore and sweet water was found at a depth of 1,545 feet. The artesian flow of water now rises from this bore at 750 gallons per hour. A second bore was started in 1928-29 and proved more productive than the first. Five more bores have since been sunk, but two bores only are in operation at present and are sufficient to meet the requirements of the public and shipping. Bore water has practically replaced condensed water

Supply mains for distributing water by pipe connections to houses have been laid at Crater and several of the private houses have been connected to the mains. The question of laying a separate water main to Tawahi has had the preliminary consideration of the Executive Committee of the Aden Settlement. Drainage systems at Tawahi and Crater have been completed.

Climate—The average temperature of the station is 87 degrees in the shade, the mean range being from 75 in January to 98 in June, with variations up to 102. The lulls between the monsoons in May and September are very oppressive. But Aden is usually free from infectious diseases and epidemics, and the absence of vegetation, the dryness of the soil and the purity of the drinking water constitute efficient safeguards against many maladies common to tropical countries. The annual rainfall varies from $\frac{1}{2}$ inch to $8\frac{1}{2}$ inches, with an irregular average of 3 inches.

Aden Protectorate—The principal Chiefs of the Aden hinterland are in protection treaty relations with the British Government, and their territories and dependencies comprise the Aden Protectorate. In April 1905 an Anglo-Turkish Boundary Commission signed a convention specifying a demarcated frontier between the Aden Protectorate and the (then) Turkish Yemen, stretching from Shaikh Murad, opposite Perim, to the river Banu, some 29 miles north east of Dhali', and thence north east to the Great Desert (Rub' al Khali). This boundary is still in effect the frontier between the Aden Protectorate and the territories of the Imam Yehya bin Muhammad Hamid ud Din, of Sanai' whose rule succeeded that of the Porte in the (formerly Turkish) Yemen, after the Great War. The Aden Protectorate stretches eastwards to include the Hadramaut and the territories of the Sultan of Qishn, bordering upon Oman, and comprises in all about 42,000 square miles.

The Sultan of Qishn is also Sultan of Sokatra, an island about 1,382 square miles in extent lying off Cape Guardafui on the African coast. Sokatra is included in the Aden Protectorate by virtue of a treaty between the Sultan and the British Government in 1886. Its population is said to be about 12,000 mainly pastoral inland, and fishing on the coast. The Aden Protectorate which is under the control of the Resident and Commander in Chief, Aden, on behalf of the Colonial Office, is not directly administered, and since the withdrawal of a small British Garrison from Dhali' in 1906 no military posts have been maintained in tribal territory.

Administration—The administration of Aden was formerly directly under the Government of Bombay, but new arrangements came into operation in 1928. The Imperial Government is now responsible for the military and

political situation in Aden and the Aden Protectorate. The settlement of Aden itself remains under the Government of India. The financial settlement required by this division of authority provides for the payment by India to Imperial Revenues of £259,000 a year for three years and thenceforward of £150,000 a year. The larger amount is considerably less than the annual expenditure falling upon Indian revenues under the former system of control.

The administrative control of the Settlement of Aden was transferred from the Bombay Government on 1st April 1932, when Aden was formed into a separate province under the direct control of the Government of India.

The administration is vested in a Chief Commissioner who is also Resident and Commander-in-Chief. Since the introduction of the dual control referred to above, the Resident's post is to be held alternatively by an Officer of the Indian Service and a member of the Colonial Service. The District of Aden Court is the Colonial Court of Admiralty under Act XVI of 1891, and its procedure as such is regulated by the provisions of the Colonial Courts of the Admiralty Act, 1890 (53 and 54 Vic Chapter 27). The laws in force in the Settlement are generally speaking those in force in India supplemented on certain points by special regulations to suit local conditions. The management of the port is under the control of a Board of Trustees formed in 1888. The principal business of the Port Trust in recent years has been the deepening of the harbour so as to allow vessels of large size to enter and leave at all states of the tide. The police force, consisting of land, harbour and armed police, has been reorganised.

Chief Commissioner and Resident and Commander-in-Chief, Lieutenant Colonel B R Reilly, C I R, O B E

Officer Commanding British Forces, Group Captain C F A Portal, D S O, M C

District and Sessions Judge, E Weston, I C S

Political Secretary, R S Champion

Chairman of the Port Trust and Settlement, Lieutenant-Colonel D S Johnston, C I R

Civil Secretary, Major H G Rivett-Carnac

Civil Administrative Medical Officer, Post Health Officer and Medical Officer vic E G Hospital—Lieut Colonel E S Phipson, D S O, I M S

Commandant of Police, R H Haslam, J R

Government Agent, Perim, C Davey

The island of Kamaran in the Red Sea about 200 miles north of Perim was taken by the British from the Turks in 1915, and is administered by the Government of India through a Civil Administrator under the control of the Chief Commissioner of Aden. It has an area of 22 square miles and a population of about 2,200. A quarantine station for pilgrims travelling to Mecca from the East is maintained on the island under the joint control of the Government of India and the Government of the Dutch East Indies.

Civil Administrator, Captain G. V. Wickham,

The Home Government.

The Home Government of India represented for sixty years the gradual evolution of the governing board of the old East India Company. The affairs of the company were originally managed by the Court of Directors and the General Court of Proprietors. In 1784 Parliament established a Board of Control, with full power and authority to control and direct all operations and concerns relating to the civil and military government, and revenues of India. By degrees the number of the Board was reduced and its powers were exercised by the President, the lineal precursor of the Secretary of State for India. With modifications this system lasted until 1858, when the Mutiny, followed by the assumption of the Government of India by the Crown, demanded a complete change. Under the Act of 1858 (merged in the consolidating measure passed in 1915) the Secretary of State is the constitutional adviser of the Crown on all matters relating to India. He inherited generally all the powers and duties which were formerly vested either in the Board of Control, or in the Company, the Directors and the Secret Committee in respect of the government and revenues of India.

The Secretary of State

Until the Reform Act of 1919 came into force the Secretary of State had the unqualified power to give orders to every officer in India, including the Governor-General, and to superintend, direct and control all acts, operations and concerns relating to the government or revenues of India. In the relations of the Secretary of State with the Governor-General in Council no express statutory change was made, but Parliament ordained through the Joint Select Committee that in practice the conventions governing these relations should be modified, only in exceptional circumstances should he be called upon to intervene in matters of purely Indian interest where the Government and the Legislature of India are in agreement.

Of the wide powers and duties still vested in the Secretary of State, many rest on his personal responsibility, others can be performed only in consultation with his Council, and for some of these the concurrence of a majority of the members of his Council voting at a meeting is required. The Act of 1919 greatly modified the rigidity of the law maintained for sixty years as to the relations of the Secretary of

State with his Council, and he has fuller power than in the past to prescribe the manner in which business is to be transacted. Though in practice the Council meets weekly (save in vacation periods) this has ceased to be a statutory requirement, the law now providing that there shall be a meeting at least once in every month.

The India Council

The number of members of the Council was reduced by the Act to not less than eight and not more than 12, the Secretary of State being free to appoint within those limits. The period of office was reduced from 7 to 5 years, though the Secretary of State may, for special reasons of public advantage to be communicated to Parliament, re-appoint a member for another five years. Half the Council must be persons who have served or resided in India for at least ten years, and who have not left India more than five years before their appointment. The Act restored the old salary of £1,200, with an additional subsistence allowance of £600 for any member who was at the time of appointment domiciled in India. Lord Morley opened the door of the Council to Indians, and since 1917 the number of Indian members has been three.

Associated with the Secretary of State and the India Council is a Secretariat known as the India Office, housed at Whitehall. Appointments to the establishment are made by the Secretary of State in Council, and are subject to the ordinary Home Civil Service rules in all respects.

In the past the whole cost of the India Office has been borne by the revenues of India, except that the Home Government made certain grants and remissions in lieu of a direct contribution amounting to £50,000 a year. The total cost now is about £230,000. In conformity with the spirit of the 1919 Act, an arrangement was made whereby the salary of the Secretary of State is placed on the Home estimates and most of the outlay needed for the controlling and political functions exercised in Whitehall is met from British revenues, agency functions being still chargeable to Indian revenues. The contribution from the Treasury to India Office administrative expenses is about £115,000.

The High Commissionership

The financial readjustment was accompanied by a highly important administrative change provided for by the Act, in the creation of a High Commissioner for India in the United Kingdom with necessary establishments. From October 1st, 1920, the High Commissioner took over control of the purchase of Government stores in England and the Indian Students Branch, together with the supervision of the work of the Indian Trade Commissioner. The further development of the functions and powers of the High Commissioner have included such agency work as the payment of Civil leave allowances and pensions, the recruitment of technical officers, supervision of I.C.S. and Forest probationers after first appointment, the making of arrangements for officers on deputation or study leave repatriation

of destitute lascars, sale of Government of India publications, etc. The staff of the Stores Department is located at the Depot off the Thames in Belvedere Road, Lambeth. The High Commissioner and the rest of the staff, are at India House, Aldwych, W.C. 2, built to the designs of Sir Herbert Baker at a cost for construction and equipment of £321,000. There could be no question of adopting a distinctly Oriental style for the exterior, but there are enough Indian features of ornamentation to proclaim the Eastern association of the place. Moreover the Exhibition Hall (typically Indian in design) has five windows on two sides for display specimens of the arts, craft and commerce of India.

Parliament set up in 1920 a Joint Standing Committee consisting of eleven members of each House to keep Parliament in closer touch with Indian affairs but the system has not flourished in the last few years.

INDIA OFFICE

Secretary of State

The Rt Hon Sir Samuel Hoare, Bt., GCB,
GCSI, CMG, MP

Permanent Under-Secretary of State

Sir Ian Hunter Stewart, KCB, KCIFF, CSI,
ILD

Parliamentary Under Secretary of State

R A Butler, MP

Deputy Under Secretary of State

Sir Louis J Kershaw, KCSI, CIF

Assistant Under-Secretaries of State

Id D Wakely, CB

Sir Cecil H Kisch, KCIFF, CB

Council

Sir Reginald A Mait, KCSI, KCIFF

Sir Campbell Rhodes, CBE

Sir Henry Wheeler KCSI, KCIFF

Colonel Sir Umar Hayat Khan, KCIFF, CBE,
MVO, ADC

Sir Denys de S Bray, KCSI, KCIFF, CBE

Sir Henry Strakosch GBR

Sir Reginald I R Glancey, KCIFF, CSI

Sir Charles A Tegart, CSI, CIFF, MVO

Sir Atul C Chatterjee, CIE, KCSI

Clerk of the Council L D Wakely, CB

Deputy Clerk of the Council J A Simpson

Private Secretary to the Secretary of State

W D Croft, CIE

Assistant Private Secretary F F Turnbull

Parliamentary Private Secretary C M Patrick,
MP

Political A-D-C to the Secretary of State

Lieut.-Col W G Neale, CIE

Asst to ditto O Gruzeher, MVO

Private Secretary to Permanent Under Secretary
of State H A F Rumbold

Private Secretary to Parly Under Secretary
A F Morley

Heads of Departments

SECRETARIES

Financial R H A Carter, C P D T
Monteth, CVO, OBE, F L Grist (Actg)
G H Baxter, (Acting)

Public and Judicial Sir Vernon Dawson,
KCIF, R T Peel, MC (Acting)

Military Major General Sir T P S D Cole
ridge, KCB, CMC, DSO

Personal Assistant Col G L Pepps, CB, P S O

Joint Secretary S K Brown CB, CVO

Staff Officer attached Col J C Macrae, DSO

Political J C Walton, CB, MC, P I
Patrick

Economic and Overseas E I Turner, CBF

Services and General and Establishment Officer,
T W H Smith, CIP

Accountant-General, Sidney Turner, CBF, FIA
also **Director of Funds and Official Agent to**
Administrators-General in India

RECORD DEPARTMENT—Superintendent of Re-
records W T Ottehill, MBE

Auditor W A. Sturdy, CBF

Miscellaneous Appointments

Government Director of Indian Railway Com-
pames R Mowbray

Asst to ditto W Guild, OBR

Librarian (Vacant)

Asst Librarian H N Randle, DPH, MA

Sub-Librarian J W Smallwood, MA

President of Medical Board for the Examination
of Officers of the Indian Services and Adviser
to the Secretary of State on Medical matters
Maj-Gen Sir I W D Megaw, KCII

Members of the Medical Board Lt-Col G M E I
C Smith, CMA, Lt-Col H R Dutton CIP

Legal Adviser and Solicitor to Secretary of State
Sir Herbert G Peuson

Asst Solicitor F R Marten, OBR

Information Officer H MacGregor

Ordnance Consulting Officer Col C E Vines,
RA

Secretary, General Department R E
Montgomery

Indian Trade Commissioner Sir H A F
Lindsay, KCIF OBE

Deputy ditto H S Malik, ICS

Secretary, Education Department T Quayle,
D LIT (Lond)

Store Department Depot at Belvedere
Road, Lambeth, S E 1.

Director-General Lieut-Col Sir Stanley Paddon
CIP, CIMI

Director of Purchase R R Howlett

Director of Inspection F E Benest, MIEE.

Secretaries of State for India

	Assumed charge
Lord Stanley (Earl of Derby)	1858
Sir Charles Wood, Bart (Viscount Halifax)	1859
Earl de Grey and Ripon (Marquess of Ripon)	1866
Viscount Cranborne (Marquess of Salisbury)	1866
Sir Stafford Northcote, Bart (Earl of Iddesleigh)	1867
Duke of Argyll	1868
Marquess of Salisbury	1874
Viscount Cranbrook	1878
Marquis of Hartington (Duke of Devon- shire)	1880
Earl of Kimberly	1882
Lord Randolph Churchill	1885
Earl of Kimberley	1886
Viscount Cross	1886
Earl of Kimberley	1892
H H Fowler (Viscount Wolverhampton)	1894
Lord George F Hamilton	1895
St John Brodrick (Viscount Middleton)	1903
John Morley (Viscount Morley)	1905
The Earl of Crewe (Marquess)	1911
Austen Chamberlain	1915
E S Montagu	1917
Viscount Peel	1922
Lord Olivier	1924
Lord Birkenhead	1924
Viscount Peel	1928
W Wedgwood Benn	1929
Sir Samuel Hoare	1931

HIGH COMMISSIONER'S OFFICE

India House, Aldwych, W C 2

The High Commissioner Sir Bhupendra Nath
Mitra, KCSI, KCIE, OBE

Personal Assistant V J G Evans

Private Secretary W. M Mather, MBE

Deputy High Commissioner A M Green, ICS,
CIE

Chief Accounting Officer G H Stoker, CIE,
OBE

The Indian States.

The area enclosed within the boundaries of India is 1,773,168 square miles, with a population of 315,132,537 of people—nearly one fifth of the human race. But of this total a very large part is not under British Administration. The area covered in the Indian States is 675,267 square miles with a population of seventy millions. The Indian States embrace the widest variety of country and jurisdiction. They vary in size from petty states like Lawa, in Rajputana, with an area of 19 square miles, and the Simla Hill States, which are little more than small holdings, to States like Hyderabad, as large as Italy, with a population of thirteen millions. They include the inhospitable regions of Western Rajputana, Baroda, part of the Garden of India, Mysore, rich in agricultural wealth, and Kashmir, one of the most favoured spots on the face of the globe.

Relations with the Paramount Power

So diverse are the conditions under which the Indian States were established and came into political relation with the Government of India, that it is impossible even to summarise them. But broadly it may be said that as the British boundaries expanded, the states came under the influence of the Government and the rulers were confirmed in their possessions. To this general policy however there was, for a brief period, an important departure. During the regime of Lord Dalhousie the Government introduced what was called annexation through lapse. That is to say, when there was no direct heir, the Government considered whether public interests would be secured by granting the right of adoption. Through the application of this policy, the states of Satara and of Nagpur fell in to the East India Company, and the kingdom of Oudh was annexed because of the gross misgovernment of its rulers. Then came the Mutiny. It was followed by the transference of the dominions of the East India Company to the Crown, and an irrevocable declaration of policy toward the Indian States. In the historic Proclamation of Queen Victoria it was set out that "We desire no extension of our present territorial possessions, and while we will permit no aggression on our dominions or our rights to be attempted with impunity, we shall allow no encroachments on those of others. We shall respect the rights, dignity and honour of the Native Princes as our own, and we desire that they, as well as our own subjects, should enjoy that prosperity and that social advancement which can only be secured by internal peace and good government." Since the issue of that proclamation there has been no encroachment on the area under Indian rule by the Government of India. On the contrary, the movement has been in the opposite direction. In 1881 the State of Mysore, which had been so long under British administration that the traditions of Native rule were almost forgotten, was restored to the old Hindu ruling house. In 1911 the Maharajah

of Benares, the great taluqdar of Oudh, was granted ruling powers over his extensive possessions. On many occasions the Government of India has had to intervene, to prevent gross misgovernment, or to carry on the administration during a long minority, but always with the undeviating intention of restoring the territories as soon as the necessity for intervention passed. Almost all states possess the right of adoption in default of heirs.

Rights of Indian States.

The rights and obligations of the Indian States are thus described by the Imperial Gazetteer. The Chiefs have, without exception, gained protection against dangers from without and a guarantee that the protector will respect their rights as rulers. The Paramount Power acts for them in relation to foreign Powers and other Indian States. The inhabitants of the Indian States are the subjects of their rulers, and except in case of personal jurisdiction over British subjects, these rulers and their subjects are free from the control of the laws of British India. Criminals escaping to an Indian State must be handed over to it by its authorities, they cannot be arrested by the police of British India without the permission of the ruler of the State. The Indian Princes have therefore a suzerain power which acts for them in all external affairs, and at the same time scrupulously respects their internal authority. The suzerain also intervenes when the internal peace of their territories is seriously threatened. Finally they participate in all the benefits which the protecting power obtains by its diplomatic action, or by its administration of its own dominions, and thus secure a share in the commerce, the railways, the ports, and the markets of British India. Except in rare cases applied to maritime states, they have freedom of trade with British India although they levy their own customs, and their subjects are admitted to most of the public offices of the British Government.

Obligations of Indian States

On the other hand, the Indian States are under an obligation not to enter into relations with foreign nations or other states, the authority of their rulers has no existence outside their territories. Their subjects outside their dominions become for all intents and purposes British subjects. Where foreign interests are concerned, the Paramount Power must act so that no just cause of offence is given by its subordinate allies. All Indian States alike are under an obligation to refer to the British every question of dispute with other states. Inasmuch as the Indian States have no use for a military establishment other than for police, or display, or for co-operation with the Imperial Government, their military forces, their equipment and armament are

prescribed by the Paramount Power. Although old and unaltered treaties declare that the British Government will have no manner of concern with any of a Maharajah's dependents or servants, with respect to whom the Maharajah is absolute, logic and public opinion have endorsed the principle which Lord Canning set forth in his minute of 1860, that the 'Government of India is not precluded from stepping in to set right such serious abuses in a Native Government as may threaten any part of the country with anarchy or disturbance, nor from assuming temporary charge of a Native State when there shall be sufficient reason to do so.' Of this necessity the Governor-General in Council is the sole judge subject to the control of Parliament. Where the law of British India confers jurisdiction over British subjects or other specified persons in foreign territory, that power is exercised by the British courts which possess it. The subjects of European Powers and the United States are on the same footing. Where canonicaments exist in an Indian State, jurisdiction both over the cantonment and the civil station is exercised by the suzerain power.

Political Officers

The powers of the British Government are exercised through Political Officers who, as a rule reside in the states themselves. In the larger states the Government is represented by a Resident, in groups of states by an Agent to the Governor-General, assisted by local Residents or Political Agents. These Officers form the sole channel of communication between the Indian States and the Government of India and its Foreign Department, with the officials of British India and with other Indian States. They are expected to advise and assist the Ruling Chiefs in any administrative or other matters on which they may be consulted. Political Agents are similarly employed in the larger States under the Provincial Governments but in the petty states scattered over British India the duties of the Agent are usually entrusted to the Collector or Commissioner in whose district they lie. All questions relating to the Indian States are under the special supervision of the Supreme Government, and in the personal charge of the Governor-General.

Closer Partnership

Events have tended gradually to draw the Paramount Power and the Indian States into closer harmony. Special care has been devoted to the education of the sons of Ruling Chiefs, first by the employment of tutors, and afterwards by the establishment of special colleges for the purpose. These are now established at Ajmere, Rajkot, Indore and Lahore. The Imperial Cadet Corps, whose headquarters are at Dehra Dun, imparts military training to the scions of the ruling chiefs and

noble families. The spread of higher education has placed at the disposal of the Indian States the products of the Universities. In these ways there has been a steady rise in the character of the administration of the Indian States, approximating more closely to the British ideal. Most of the Indian States have also come forward to bear their share in the burden of Imperial defence. Following on the spontaneous offer of military assistance when war with Russia appeared to be inevitable over the Penjdeh incident in 1885, the states have raised a portion of their forces up to the standard of the troops in the Indian Army. These were until recently termed Imperial Service Troops, but are now designated Indian State Forces; they belong to the States, they are officered by Indians, but they are inspected by a regular cadre of British officers under the general direction of an Inspector-General. Their numbers are approximately 22,000 men, their armament is the same as that of the Indian Army and they have done good service often under their own Chiefs, on the Frontier and in China, in Somaliland and in the Great War. Secure in the knowledge that the Paramount Power will respect their rights and privileges, the Ruling Chiefs have lost the suspicion which was common when their position was less assured, and the visits of the Prince of Wales in 1875, of the Prince and Princess of Wales in 1905-06, and of the King and Queen in 1911-12 have tended to seal the devotion of the great feudatories to the Crown. The improvement in the standard of native rule has also permitted the Government of India largely to reduce the degree of interference in the internal affairs of the Indian States. The new policy was authoritatively laid down by Lord Minto, the then Viceroy, in a speech at Udaipur in 1909 when he said—

"Our policy is, with rare exceptions, one of non-interference in the internal affairs of the Native States. But in guaranteeing their internal independence and in undertaking their protection against external aggression it naturally follows that the Imperial Government has assumed a certain degree of responsibility for the general soundness of their administration and could not consent to incur the reproach of being an indirect instrument of misrule. There are also certain matters in which it is necessary for the Government of India to safeguard the interests of the community as a whole as well as those of the paramount power, such as railways, telegraphs and other services of an Imperial character. But the relationship of the Supreme Government to the State is one of suzerainty. The foundation stone of the whole system is the recognition of identity of interests between the Imperial Government and Rulers and the minimum of interference with the latter in their own affairs."

HYDERABAD

6

The Nizam exercises full sovereignty within his dominions grants titles and has the power of life and death over his subjects. Before 1919, the Government consisted of a Prime Minister responsible to the Nizam, with Assistant Minister, but an Executive Council was established which now consists of seven members. A Legislative Council consisting of 20 members of whom 12 are official, 6 non official, and 2 extraordinary, is responsible for making laws. The administration is carried on by a regular system of departments on lines similar to those followed in British India. The State is divided into two divisions—Telengana and Maharashtra—15 districts and 103 Talukas. Local Boards are constituted in each District and Taluka. The State maintains its own currency which consists of gold and silver coins and a large note issue. The rupee, known as the Osmani Sica, exchanges with the British Indian rupee at an average ratio of 116 10 8 to 100. There is a State postal service and stamps for internal purposes. The Nizam maintains his own army consisting of 19,759 troops of all ranks of which 7,200 are classed as regular troops and 12,559 as irregular. In addition to these, there are two battalions of Imperial Service Troops, 1,052 strong.

Finance—Hyderabad State is by far the wealthiest of the Indian States, having a revenue in its own currency of about 8½ crores, which is approximately the same as that of the Central Provinces and Bihar and Orissa and double that of any other State. After many vicissitudes, its finances are at present in a prosperous condition and it enjoys a large annual surplus of revenue from which a reserve of eight crores has been built up. This is being used partly as a sinking fund for the redemption debt and partly for the development of the resources of the State. The Budget estimates for the present year show a revenue of 802 24 lakhs under service heads and an expenditure of 785 60 lakhs, inclusive of large sums set aside for development, famine insurance and reserve for reorganisation. The capital expenditure programme provides for an expenditure of 60 81 lakhs which includes 21 54 lakhs for completion of large irrigation projects and 26 67 lakhs for open line works and road motor transport. The year opened with a cash balance of 221 14 lakhs which is expected to be about 112 83 lakhs by the end of the year. The Government loans stand at 115 for long term issues.

Production and Industry—The principal industry of the State is agriculture, which maintains 57 per cent of the population. The common system of land tenure is ryotwari. About 35 per cent of the total area is directly administered by the State. The rest consists of private estates of His Exalted Highness the Nizam, which comprise about one tenth of the total area of the State, and the estates of the Jagirdars and Pargana nobles. The total land revenue is over 3 crores. The principal food crops are millet and rice, the staple money crops cotton, which is grown extensively on the black cotton soils, and oilseeds. Hyderabad is well known for its Gorum cotton which is the

longest staple indigenous cotton in India. The total area under cotton exceeds 3½ million acres. Hyderabad possesses the most southerly of the Indian coal mines and the whole of southern India is dependent on it for such coal as is transported by rail. The chief mine is situated at Singareni, which is not far from Bezwada junction on the Calcutta Madras line. The chief manufacturing industry is based on the cotton produced in the State. There are four large mills in existence and others are likely to be established, while about one third of the cloth worn in the Dominions is produced on local hand looms. There are about 310 ginning pressing and decorticating factories in the cotton tracts and also a number of tanneries and flour mills, the total number of factories (as defined in the Hyderabad Factory Act) of all kinds in the State being 402. The Shikharad Cement Co. which has been established at Shikharad on the Great Indian Peninsula Railway line, not far from Wadi, supplies the whole of southern India with cement and has at present an annual output of 131,108 tons.

Taxation—Apart from the land revenue which, as stated above, brings in about 3 05 crores, the main sources of taxation are excise and customs. The receipts from each are estimated for the present year at 167 lakhs and 106 lakhs respectively. After these come interest on investments (52 lakhs), railways (62 lakhs) and Berr rent (29 lakhs). The customs revenue is derived from an *ad valorem* duty of 5 per cent on all imports and exports.

Communications—One hundred and thirty seven miles of broad gauge line from Bombay to Madras traverse the State, also 33 miles of metre gauge line from Masulipatam to Marimangal. At Wadi, on this section, the broad gauge system of the Nizam's State Railway takes off and running east through Hyderabad City and Warangal reaches the Calcutta-Madras line at Bezwada, a total length of 352 miles. From Karimpet, near Warangal on this line, a new link to Bellary strikes north thus providing the shortest route between Madras and Delhi. From Secunderabad the metre gauge Godavari Valley railway runs north west for 386 miles to Manmad on the main line of the Great Indian Peninsula Railway to Calcutta. A metre gauge line also runs south from Secunderabad through Mahbubnagar to the border and is now linked up with Kurnool on the Madras and Southern Mahratta Railway. Branch lines exist from Purna to Hingoli, Parbhani to Purna-Vijaynagar, Karimnagar to Kothagudem and Vikharabad to Bidar, which last was extended to Purna-Vijaynagar. Thus, with branch lines, there are now 805 miles of broad gauge and 656 of the metre gauge in the State. The Barsi Light Railway owns a short extension from Kurdwadi on the Bombay-Madras line to Latur in Osmanabad District. The Nizam's Guaranteed State Railway was worked by a company until April, 1930, when it was purchased by the Nizam's Government. The road system is being rapidly extended in accordance with a well considered programme.

Education—The Osmania University at Hyderabad which marks a new departure in Indian education, imparts instruction in all the faculties through the medium of Urdu, English being taught as a compulsory language. It has three First Grade Colleges, four Intermediate Colleges, a Medical College, an Engineering College and a Training College for teachers. The Nizam's College at Hyderabad (first grade), is however, affiliated to the Madras University. In 1931-32 the total number of educational institutions were 4,510, the number of Primary schools in particular having been largely increased.

Executive Council—Raja Rajyan Rajah Sir Kishen Pershad Maharaja Bahadur, Yaminus Saltinath G C I E, President Nawab Walid Dowlat Bahadur, Education, Medical and Military Departments, Members Nawab Sir Akbar Hydari Finance and Railway Member, Lt-Col Sir R H Chenery Trench, G I R, O B E, Revenue and Police Member, Nawab Lutfud Dowlat Bahadur, Judicial Member, Nawab Aqueel Jung Bahadur, Public Works Member Nawab Mahdi Yar Jung Bahadur, Political Member.

British Resident—The Hon'ble Mr D G Mackenzie C I I

MYSORE

The State of Mysore is surrounded on all sides by the Madras Presidency except on the north and the north-west where it is bounded by the districts of Dharwar and North Canara respectively and towards the south-west by Coorg. It has two natural divisions each with a distinct character of its own—the hill country (or malnad) on the west and the wide spreading valleys and plains (the maidan) on the east. The State has an area of 29,483 square miles including that of the Civil and Military Station of Bangalore and a population of 6,557,302 of whom over 92 per cent are Hindus. Kannada is the language of the State.

History—The ancient history of the country is varied and interesting. Tradition connects the table land of Mysore with many a legend enshrined in the great Indian epics, the Ramayana and the Mahabharata. Coming down to historical times, the north eastern portion of the country formed part of Asoka's Empire in the third century B C. Mysore then came under the rule of the Andhra dynasty. From about the third to the eleventh century A D Mysore was ruled by three dynasties, the north-western portion by the Pallavas and the central and the southern portions by the Gangas. In the eleventh century, Mysore formed part of Chola dominion, but the Cholas were driven out early in the twelfth century by the Hoysalas, an indigenous dynasty with its capital at Halebid. The Hoysala power came to an end in the early part of the fourteenth century. Mysore was next connected with the Vijayanagar empire. At the end of the fourteenth century Mysore became associated with the present ruling dynasty. At first tributary to the dominant empire of Vijayanagar, the dynasty attained its independence after the downfall of Vijayanagar in 1565. In the latter part of the eighteenth century the real sovereignty passed into the hands of Hyder Ali and then his son, Tippu Sultan. In 1799, on the fall of Seringapatam, the British Government restored the State comprised within its present limits, to the ancient dynasty in the person of Maharaja Sri Krishnaraja Wodeyar Bahadur III. Owing to the insurrections that broke out in some parts of the country the management was assumed by the British Government in 1831. In 1881 the State was restored to the dynasty in the person of Sri Chamarajendra Wodeyar Bahadur under conditions and stipulations laid down in an Instrument of Transfer. That ruler with the assistance of Mr (afterwards Sir) K. Seshadri Iyer, K O S I, as Dewan, brought Mysore to a State of great prosperity. He died in 1894,

and was succeeded by the present ruler His Highness Sri Krishnarajendra Wodeyar Bahadur, G O S I, G B E, who was installed in 1902. In November 1913 the Instrument of Transfer was replaced by a Treaty which indicates more appropriately the relation subsisting between the British Government and the State of Mysore. In 1927, the Government of India remitted in perpetuity Rs 10½ lakhs of the annual subsidy which till then had stood at Rs 35 lakhs.

Administration—The City of Mysore is the Capital of the State, but Bangalore is the Administrative headquarters. His Highness the Maharaja is the ultimate authority in the State, and the administration is conducted under his control, by the Dewan and two Members of Council. The High Court consisting of three Judges is the highest Judicial tribunal in the State. There are two constitutional Houses in the State—the Representative Assembly and the Legislative Council. The Representative Assembly was established in 1881 by an executive order of Government, and its powers and functions have been increased from time to time by similar orders of Government. Under the scheme of constitutional developments announced in October 1923 the Representative Assembly has been placed on a statutory basis and given a definite place in the constitution by the promulgation of the Representative Assembly Regulation XVIII of 1923. The franchise has been extended and the disqualification of women on the ground of sex, from exercising the right to vote and standing as candidates for election has been removed. The privilege for moving resolutions on the general principles and policy underlying the budget and on matters of public administration has been granted in addition to those already enjoyed of making representations about wants and grievances and interpellating Government. The Assembly is also to be consulted on all proposals for the levy of new taxes and on the general principles of all measures of legislation before their introduction into the Legislative Council. Besides the Budget Session (formerly Birthday Session) and the Dasara Session, provision has been made for a special session of the Assembly to be summoned only for Government business.

The strength of the Legislative Council has been raised from 30 to 50, of whom 20 are official and 30 are non official members. The Council which exercised the privileges of interpellation, discussion of the State Budget and the moving of the resolutions on all matters of public ad-

Hydro-Electric and Irrigation Works—The river Cauvery in its course through the State, possesses a natural fall of about 380 feet near the island of Sivasamudram, and this fall was harnessed in the year 1902 for the development of electric power, to the extent of about 12,000 H P for supplying power mainly to the Kolar Gold Mining Companies and incidentally for lighting the cities of Mysore and Bangalore. In course of time, the demand for power increased and with a view to protecting the existing supply and augmenting the generation of additional power to meet the growing demands, the "Krishnarajasagara Reservoir" called after the name of the present Maharaja was constructed. The storage from the reservoir besides enabling the generation of electric power up to 46,000 H P will also bring under irrigation about 1,20,000 acres of land situated in an area subject to more or less continuous drought. The new Canal Works were started in 1927, and the main canal is named the 'Irwin Canal' after Lord Irwin the then Viceroy. Full advantage is being taken of the available electric power for small industries and the electrification of towns and lift irrigation.

Education—A separate University for Mysore was established on the 1st July 1916. It is of the teaching and residential type composed of the Central and Engineering Colleges at Bangalore and the Medical Maharaja's and Maharani's Colleges at Mysore, and five Intermediate Colleges with headquarters at Mysore. The colleges are efficiently equipped and organised and there is a training college for men located at Mysore. The Maharani's College at Mysore is a College for Women.

There are 36 High Schools of which 6 are for girls, 326 Middle Schools of which 34 are for girls. Provision has been made for teaching several vocational subjects in general schools with a view to giving a bias towards the vocations and in order to enable the pupils to take to such vocations after their High School life. There are 13 Training Institutions for training teachers in Middle and Primary Schools, 3 of them are for women. The control over Primary Education has been made over to the Local Bodies under the Elementary Educational Regulation of 1930, and the Local Bodies are responsible for making due provision for extension of Primary Education in accordance with a definite programme spread over 20 years. There are also schools for imparting instruction in Agricultural, Commercial, Engineering and other Technical subjects. There were altogether 7,736 schools on 31st March 1933 with a strength of 3,11,371 pupils. This gives one school to every 3.81 square miles of the area, and to every 848.02 persons of the population. The total expenditure on Education was Rs 67,17,951 yielding in average of Rs 1-0-5 per head of population.

Resident in Mysore and Chief Commissioner of Coorg—The Hon Lieut-Col C T C Plowden, C I E

Dewan—Amin-ul-Mulk Sir Mirza M Iemal, C I E, O B E

Members of the Executive Council—Rajamantri Pravinji Diwan Bahadur K Matthan, B A, First Member of Council, Mr, S P Rijagopalanchari, B A, B L, Second Member of Council.

BARODA.

The State of Baroda is situated partly in Gujerat and partly in Kathiawar. It is divided into four district blocks: (1) the southern district of Navsari near the mouth of the Tapti river, and mostly surrounded by British territory, (2) central district north of the Narbada, in which lies Baroda, the capital city, (3) to the north of Ahmedabad, the district of Mehsana, and (4) to the west, in the peninsula of Kathiawar the district of Amreli, formed of scattered tracts of land. The area of the State is 8,164 square miles; the population is 2,443,007 of whom over four fifths are Hindus.

History—The history of the Baroda State as such dates from the break-up of the Mughal Empire. The first Maratha invasion of Gujerat took place in 1705. In later expeditions Pilaji Gekwar, who may be considered as the founder of the ruling family, greatly distinguished himself. Songhard was the headquarters till 1766. After 1723 Pilaji regularly levied tribute in Gujerat. His son Damaji finally captured Baroda in 1734, since then it has always been in the hands of the Gaikwars, but Mughal authority in Gujerat did not end until the fall of Ahmedabad in 1753, after which the country was divided between the Gaekwar and the Peshwa. In spite of the fact that Damaji was one of the Maratha chiefs defeated at Panipat by Ahmed Shah, he continued to add to his territory. He died in 1768, leaving the succession in dispute between two rival sons. He was succeeded in turn by his sons Savaji Rao I, Latting Rao,

Mannaji Rao and Govind Rao. The last died in 1800 and was succeeded by Anand Rao. A period of political instability ensued which was ended in 1802 by the help of the Bombay Government, who established the authority of Anand Rao at Baroda. By a treaty of 1805 between the British Government and Baroda, it was arranged *inter alia* that the foreign policy of the State should be conducted by the British, and that all differences with the Peshwa should be similarly arranged. Baroda was a staunch ally of the British during the wars with Bajji Rao Peshwa, the Pindari hordes and Holkar. But from 1820 to 1841, when Sayaji Rao II was Gaikwar, differences arose between the two Governments which were settled by Sir James Carnac, Governor of Bombay, in 1841. Ganpat Rao succeeded Sayaji Rao II in 1847. During his rule the political supervision of Baroda was transferred to the Supreme Government. His successor, Khande Rao, who ascended the gadi in 1856, introduced many reforms. He stood by the British in the Mutiny. He was succeeded by his brother Malhar Rao in 1870. Malhar Rao was deposed in 1875 for 'notorious misconduct' and "gross misgovernment," but the suggestion that he had instigated the attempt to poison Col Phayre, the Resident, was not proved. Sayaji Rao III, a boy of 13 years of age, who was descended from a distant branch of the family, was adopted as heir of Khande Rao in 1875 and is the present Gaekwar. He was invested with full powers in 1881.

Administration—An executive council consisting of the principal officers of the State carries on the administration, subject to the control of the Maharaja, who is assisted by a Dewan and other officers. A number of departments have been formed, which are presided over by officials corresponding to those in British India. The State is divided into five *Prants* each of which is sub-divided into *Mahals* and *Pita Mahals* of which there are in all 12. Attempts have for some years been made to restore village autonomy, and village panchayats have been formed which form part of a scheme for local self government. There is a Legislative Department, under a Legal Remembrancer, which is responsible for making laws. There is also a Legislative Council, consisting of nominated and elected members. A High Court at Baroda possesses jurisdiction over the whole of the State and hears all final appeals. From the decisions of the High Court appeals in certain cases, to the Maharaja who decides them on the advice of the *Huzar Nyay Sahib*. The State Army consists of 3,086 Regular forces and 3,806 Irregular forces.

Finance—In 1913 the total receipts of the State were Rs. 2,49,13,000 and the disbursements Rs. 2,61,89,000. The principal Revenue heads were—Land Revenue, Rs. 1,20,95,000, Akhri, Rs. 25,61,000, Opium Rs. 1,20,000, Railway, Rs. 13,34,000, Interest Rs. 16,67,000, Tribute from other States, Rs. 6,56,000. British Currency was introduced in 1901.

Production and Industry—Agriculture and pasturage support 63 per cent of the people. The principal crops are rice, wheat, gram, castor-oil, rapeseed, poppy, cotton, sun hemp, tobacco, sugarcane, maize and garden crops. The greater part of the State is held on *ratawari* tenure. The State contains few minerals, except sandstone, which is quarried at Songar, and a variety of other stones which are little worked. There are 80 industrial or commercial

concerns in the State, and 1,000 small State Companies Act. There are four Agricultural Banks and 1,000 Co-operative Societies in the Baroda State.

Communications—The I. E. & C. P. Railway is a part of the Great Indian Peninsula and the Rajputana Malabar Railway passes through the *Kathi prant*. A system of branch lines has been built by the Baroda Barar for all the four *prants* in addition to what the I. E. & C. P. Railway and the Rajputana Malabar Railway (I. E. & C. P.) pass through the State. The Railway owned by the State are about 707.59 miles in length. The total mileage of metalled and fair weather roads in the State is 1,100 and 9,12 respectively.

Education—The Education Department controls 263 institutions of different kinds in 105 of which English is taught. The Baroda College is affiliated to the Bombay University. There are a number of high schools, technical schools, and schools for special classes such as the jungle tribes and unclean castes. The State is in a way pledged to the policy of free and compulsory primary education. It maintains a system of rural and travelling libraries. Eighteen per cent of the population is returned in the census as literate. Total expense on Education is Rs. 18 lakhs.

Capital City—Baroda City with the cantonment has a population of 112,862. It contains a public park, a number of fine public buildings, palaces and offices, and it is crowded with Hindu temples. The Cantonment is to the north-west of the city and is garrisoned by an infantry battalion of the Indian Army.

Ruler—His Highness Tarzandi Khan I Dowlat I Englishi, Maharaja Sir Sayid Ali III Gakwar Sena Khan Khel Sam-her Bahadur, GCSI, GCIE, JID, Maharaja of Baroda.

Resident—Lieut. Col. J. L. R. Weir CIE.

Dewan—Sir V. T. Krishnamachari, Kt, CIE.

BALUCHISTAN AGENCY

In this Agency lies the State of Kalat with its feudatory State of Las Bela.

Kalat is bounded on the North by the Chagai district, on the East by Sindh and the Marri Bugti tribal territories, on the South by the Arabian Sea and on the West by Persia.

The State includes the tribal territories of the Chiefs of the Brahui Confederacy of which the Khan of Kalat is head. The divisions of the State are, Sarawan or the Highlands, Jhalawan or the Lowlands, Kachhi, Makran, the Khanate of Kharan and the feudatory State of Las Bela. The inhabitants are for the most part Brahuis or Baloch, both being Muhammadans of the Sunni sect. The area of Kalat with Las Bela is 80,410 sq miles. The country is sparsely inhabited, the total population being about 379,000.

The relations of Kalat with the British Government are governed by the treaties of 1854 and 1876, by the latter of which the independence of Kalat was recognized, while the Khan agreed to act in subordinate co-operation with the British Government. There are also agreements with Kalat in connection with the construction of the Indo-European telegraph line, the cession

of jurisdiction on the railways and in the Bolan Pass, and the permanent leases of Quetta, Nushki and Nisrabad.

The Khan is assisted in the administration of the State by a Wazir-i-Azam, at present a European Officer of the Imperial service. The Governor General's Agent in Baluchistan conducts the relations between the Government of India and the Khan, and exercises general political supervision over the State. The revenue of the State is about Rs. 12,50,000, out of which the Khan retains a civil list of Rs. 3,50,000 per annum. The present Khan is His Highness Beglar Begi Lieut. Mir Ahmad Yar Khan. He was born in 1903.

Las Bela is a small State under the suzerainty of Kalat. The Hub river for the Southern part of its course forms the Eastern boundary with Sindh, and the greater part of the State consists of the valley and the delta of the Purul river. Area 7,132 square miles, population 50,696, chiefly Sunni Muhammadans. The estimated average revenue is about Rs. 3,03,067. The Chief of Las Bela, known as the Jam, is bound by agreement with the British Government to

conduct the administration of his State in accordance with the advice of the Governor-General's Agent. This control is exercised through the Political Agent in Kalat. The Jam also employs an approved Wazir, to whose advice he is subject

and who assists him generally in the transaction of State business

Agent to the Governor-General for Baluchistan —
The Hon'ble Sir Norman Cater, K C I E, I C S

RAJPUTANA AGENCY.

Rajputana is the name of a great territorial circle with a total area of about 133,886 square miles, which includes 21 Indian States, one chiefship, one estate, and the small British district of Ajmer Merwara. It is bounded on the west by Sind, on the north-west by the Punjab State of Bahawalpur, on the north and north-east by the Punjab, on the east by the United Provinces and Gwalior, while the southern boundary runs across the central region of India in an irregular zigzag line. Of the Indian States, Chiefship and estate 19 are Rajput, 2 (Bharatpur and Dholpur) are Jat, and two (Palanpur and Tonk) are Mahomedan. The chief administrative control of the British district is vested *ex-officio* in the political officer, who holds the post of Governor-General's Agent for the supervision of the relations between the several Indian States of Rajputana and the Government of India. For administrative purposes they are divided into the following groups — Bikaner and Sirohi in direct relations with the Agent to the Governor-General. Eastern Rajputana Agency 5 States (Alwar, Bharatpur, Dholpur, Karauli and Kotah). Haroti and Tonk Agency, 4 States (Bundi, Jhalawar, Shajhpur and Tonk). Jaipur and Western Rajputana States Residency 6 States (Danta, Jaipur, Jodhpur, Jaisalmer and Kishangarh, Palanpur and Lawa Estate), Mewar Residency, and Southern Rajputana States Agency 4 States (Mewar, Dargarpur, Banswara and Pratibgarh and the Kishangarh Chiefship).

The Aravalli Hills intersect the country almost from end to end. The tract to the north-west of the hills is, as a whole, sandy, ill-watered and unproductive, but improves gradually from being a mere desert in the far west to comparatively fertile lands to the north-east. To the south-east on the Aravalli Hills lie higher and more fertile regions which contain extensive hill ranges and which are traversed by considerable rivers.

Communications — The total length of railways in Rajputana is 3,259 miles, of which about 1000 are the property of the British Government. The B B & C I (Metre-gauge) (Government) runs from Ahmedabad to Bandikui and from there branches to Agra and Delhi. Of the Indian State railways the most important are the Jodhpur and Bikaner lines from Marwar Junction to Hyderabad (Sind) and to Bikaner.

A new Railway line from Manli (on the Udaipur Chitorgarh Railway) to Marwar Junction is under construction.

Inhabitants — Over 50 per cent of the population are engaged in some form of agriculture, about 20 per cent of the total population are maintained by the preparation and supply of material substances, personal and domestic service provides employment for about 5 per cent and commerce for 2½ per cent of the population. The principal language is Rajasthani. Among castes and tribes, the most numerous are the Brahmins, Jats, Mahajans, Chamars, Rajputs, Minas, Gujars, Bhils, Malis and Balais. The Rajputs are, of course, the aris-

toocracy of the country, and as such hold the land to a very large extent either as receivers of rent or as cultivators. By reason of their position as integral families of pure descent, as a landed nobility, and as the kinsmen of ruling chiefs, they are also the aristocracy of India, and their social prestige may be measured by observing that there is hardly a tribe or clan (as distinguished from a caste) in India which does not claim descent from, or irregular connection with, one of these Rajput stocks.

The population and area of the States are as follows —

Name of State	Area in square miles	Population in 1931
<i>In direct political relation with A & G —</i>		
Bikaner	23,317	936,218
Sirohi	1,958	216,528
<i>Mewar Residency and S R S Agency —</i>		
Udaipur	12,694	1,566,910
Banswara	1,606	225,106
Dungarpur	1,447	227,514
Pratibgarh	886	66,539
Kushalgarh (Chiefship)	340	35,564
<i>Jaipur and the Western Rajputana States Residency —</i>		
Danta	347	26,172
Jaipur	15,579	2,631,775
Jodhpur	35,016	2,125,982
Jaisalmer	16,062	76,256
Kishangarh	858	85,744
Palanpur	1,769	264,179
Lawa (Estate)	19	2,790
<i>Haroti and Tonk Agency —</i>		
Bundi	2,220	216,722
Tonk	2,553	317,360
Jhalawar	810	107,890
Shajhpur	405	54,236
<i>Eastern States Agency —</i>		
Alwar	3,158	749,751
Bharatpur	1,978	486,951
Dholpur	1,221	254,906
Karauli	1,212	140,525
Kotah	5,684	68,404

Udaipur State (also called Mewar) was founded in about 646 A D. The capital city is Udaipur, which is beautifully situated on the slope of a low ridge, the summit of which is crowned by His Highness the Maharana's palaces, and to the north and west, houses extend to the banks of a beautiful piece of water known as the Pichola Lake in the middle of which stand two island palaces. It is situated near the terminus of the Udaipur-Chittorgarh Railway, 697 miles north of Bombay. His Highness Maharajadhiraj Maharana Sir Bhupal Singhji Bahadur, G C S I, K C I E, who succeeded his father the late Maharana His Highness Maharajadhiraj Maharana Sir Fateh Singhji Bahadur, G C S I, G O I E, G O V O, in 1930, is the Premier Ruling

Prince of Rajputana. The revenue and expenditure of the State are now about 806 lakhs. Its archaeological remains are numerous, and stone inscriptions dating from the third century have been found.

Banswara State is the southernmost State of Rajputana within the Political Agency of the Southern Rajputana States. The area of the State is 1,016 square miles and the population 2,60,670 souls. It is thus in regard to size (seventh among the States of Rajputana). Banswara with Dungarpur originally formed a country known as Bagar, which was, from the beginning of the thirteenth century until about the year 1520, held by certain Rajput Rulers of the Ghelof or Sisodiya clan, who claimed descent from an elder branch of the family now ruling in Udaipur. After the death of Miha Rawal Udai Singhji, the Ruler of Bagar, about 1520, his territory was divided between his two sons, Tigmil Singhji and Prithvi Rajji, and the descendants of the two families are now the Rulers of Banswara and Dungarpur respectively. Where the town of Banswara now stands, there was a large Bhil pal or colony under a powerful Bhil chieftain, named Wasni, who was defeated and slain by Miha Rawal Tigmil Singhji about 1530. The name of Banswara is by tradition said to be a corruption of Wasni wara or the country of Wasni. Others assert that the word means the country (wara) of bamboos (bans). Nearly three centuries after its foundation by Miha Rawal Tigmil Singhji, Miha Rawal Bijal Singhji anxious to get rid of the supremacy of the Mahrattas, offered to become tributary to the British Government. In 1818, a definite treaty was made with his successor, Miha Rawal Umed Singhji. Banswara has been described as the most beautiful portion of Rajputana; it looks at its best just after the rains. The principal rivers are the Muli, the Anas, the Luni, the Chip and the Harin.

The present Ruler is His Highness Ravi Lal Maharaja Dhiraj Miha Rawalji Sahib Shree Sir Pablu Singhji Bahadur, K.C.I.B., who was born on July 15, 1888, and is the 21st in descent from Miha Rawal Tigmil Singhji. His Highness was educated in the Mayo College and succeeded his father in 1914. His Highness is entitled to a salute of 15 guns. The State is ruled by His Highness the Maharaja Sahib Bahadur with the assistance of the Diwan and the Home Minister, and the Judicial and the Legislative Council, of which the Diwan is the President and the then apparent, Maharaj Raj Kumar Sahib Shri Chandivveer Singhji Sahib, is Senior Member. The revenue of the State is about 7 lakhs and the expenditure is about the same.

Duan—Mr R. K. Chatterjee, B.A., BAR AT LAW.

Home Minister—Mr Nand Lal Binerjee.

Dungarpur State, with Banswara, formerly comprised the country called the Bagar. It was invaded by the Mahrattas in 1818. As in other States inhabited by hill tribes, it became necessary at an early period of British supremacy to employ a military force to coerce the Bhils. The State represents the *Gad* of the eldest branch of the Sisodias and dates its separate existence from about the close of the 12th Century. Samant Singh, King of Chitor, when driven away by Kirtipal

of Jalor, fled to Bagdad and killed Chovrasind, Chief of Baroda, and founded the State of Dungarpur. The present Chief is His Highness Raj Ravi Maharaj Sahibji Maharawal Shri Lal Bahadur Singhji Bahadur born on 7th March 1908, succeeded on 14th November 1918 and assumed charge of the administration on the 10th February 1924. No railway line crosses the territory; the nearest railway station Udaipur, being 65 miles distant and Talad on Ahmedabad side, being about 70 miles distant. Revenue about 64 lakhs.

Partabgarh State, also called the Kanthal, was founded in the sixteenth century by a descendant of Rana Mohal of Mewar. The town of Partabgarh was founded in 1693 by Partab Singh. In the time of Jaswant Singh (1775-1844), the country was overrun by the Mahrattas, and the Maharawat only saved his State by agreeing to pay Holkar a tribute of *Salim Shahi* Rs. 72,700 (which then being coined in the State Mint was sent under throughout the surrounding Native States), in lieu of Rs. 15,000 formerly paid to Delhi. The first connexion of the State with the British Government was formed in 1804, but the treaty then entered into was subsequently cancelled by Lord Cornwallis, and a fresh treaty by which the State was taken under protection was made in 1818. The tribute to Holkaris paid through the British Government, and in 1904 was converted to Rs. 36,350 British currency. The present ruler is His Highness Maharawat Ram Singh Bahadur who was born in 1903 and succeeded in 1920. The State is governed by the Maharawat with the help of the Dewan and, in judicial matters, of a Committee of members styled the Raj Sabha or State Council. Revenue about 5½ lakhs, expenditure nearly 5½ lakhs. The financial administration is under the direct supervision of the State.

Jodhpur State, is the largest in Rajputana with an area of 36,021 square miles and a population of 24 millions of which 83 per cent are Hindus, 8 per cent Muslims and the rest Jains and Animists. The greater part of the country is an arid region. It improves gradually from a mere desert to comparatively fertile land as it proceeds from West to East. The rainfall is scanty and capricious. There are no perennial rivers and the supply of sub-soil water is very limited. The only important river is Luni.

The Maharaja of Jodhpur is the head of the Rathor clan of Rajputs and claims descent from Rama, the deified King of Avodhya. The earliest known King of the Clan named Abhimanyu, lived in the fifth century, from which time their history is increasingly clear. After the breaking up of their kingdom at Kanauj they founded this State about 1212, and the foundations of the Jodhpur City were laid by Rao Jodha in 1459. He had abolished the tax levied by Hussain Shah of Jaunpur from Hindu pilgrims at Gaya. His descendant was the famous Rao Maldeva, the most powerful ruler of his time having an army of 80,000 Rajputs and the Emperor Humayun when expelled by Sher Shah in 1542 A.D. had sought refuge with him. Raja Sur Singh, son of Raja Udai Singh, in recognition of his deeds of valour was created a 'Sawai Raja' with a mansab of 5,000 Zat.

3,300 Sowars by the Emperor Akbar. Maharaja Jaswant Singh I with whom the secret hostilities of Emperor Aurangzeb are well known was once a pillar of the Indian Empire and a great defender of the Hindus and their temples. He was also a patron of learning and himself wrote books on Philosophy, Prosody and other profound subjects. After his demise Aurangzeb confiscated Marwar, and Maharaja Jaswant Singh's posthumous son and successor Maharaja Ajit Singh had to pass 8 years in hiding in mountains and subsequent 20 years in constant wars with Aurangzeb's army with the help of his nobles, chief of whom was the famous hero Durga Dass before he ascended the throne of Marwar. In the time of Maharaja Bijay Singh, a later descendant of the same line, one of the richest districts, viz, Godwar, was finally acquired from Mewar and annexed to Marwar. The State entered into a treaty of alliance with the British Government in 1818.

The present ruler, Lieut. Colonel His Highness Raj Rajeshwar Sirumud Raji Hind Maharaja Dhury Maharaja Sri Sir Umud Singhji Sahib Bahadur, G.C.I.E., K.C.S.I., K.C.V.O., is the head of the Rithors, and is the 32nd ruler from Rao Sihaji. His Highness was born on 8th July 1903 and is now in the 30th year of his age. He succeeded his elder brother on 3rd October, 1918. He was educated at the Mayo College, Ajmer, and was invested with full ruling powers on 27th January 1923. In October of the same year he was granted the rank of honorary Captain in the British Army, made a Knight Commander of the Royal Victorian Order in March 1921, was elevated to the rank of Honorary Major in June 1923 and Honorary Lieut.-Colonel in August 1933. He was created K.C.S.I. on 3rd June 1925 and invested with G.C.I.E. on the 1st January 1930. His Highness was married in November 1921, and has four sons and one daughter, the heir apparent being Maharaj Kumar Sri Hanwant Singhji Sahib born on 16th June 1923. His Highness the Maharaja Sahib Bahadur has one younger brother Maharaja Sri Ajit Singhji Sahib, and two sisters, the elder of whom is Maharani of Jaipur and the younger the Maharani of Rewar.

His Highness is greatly interested in educational, athletic, and progressive institutions generally of modern times, both in India and abroad, and has always exhibited his sympathy with them by liberal donations. An example of this can be easily found in the donation of 3 lakhs made by His Highness for founding the Irwin Chair of Agriculture at the Benares Hindu University. He is a keen sportsman, Polo player and first rate shot. His favourite past-times are pig sticking, fishing, shooting, photography and air-piloting.

His Highness enjoys a salute of 19 guns within his own territories and 17 guns elsewhere.

The administration is carried on with the aid of a State Council composed of His Highness the Maharaja Sahib Bahadur, President, Mr. J. W. Young, O.B.E., (Indian Finance Department), Chief Minister and Finance Minister, Rao Bahadur Thakur Churn Singhji, M.A., LL.B., Judicial Minister, Thakur Madho Singhji, Home Minister, and Mr. J. B. Irwin, D.S.O., M.C., I.C.S., Revenue Minister. There is also an Advisory Committee representing the great body of Sardars who hold as much as five sixths

of the total area, to aid the administration with opinion on matters affecting general customs and usage in the country.

The revenue of the State during the year 1931-32 was Rs. 1,47,41,000 and the expenditure Rs. 1,17,12,000. The Jodhpur Railway extending from Hyderabad (Sind) to Luni Junction and Marwar Junction to Kuchaman Road with its branches on all sides in the territories of the State is the principal railway, while the B. B. & C. I. Railway runs across a portion of the South-Eastern Border. The famous marble quarries of Makrana as well as the salt lake at Sambhar are situated in Jodhpur territory.

Jaisalmer State is one of the largest States in Rajputana and covers an area of 16,002 square miles. The Rulers of Jaisalmer belong to the Jodon clan and are the direct descendants of Sri Krishna Jaisalmer City was founded in 1156, and the State entered into an alliance of perpetual friendship with the British Government in 1818. In 1844 after the British conquest of Sind the forts of Shahgarh, Garsia and Ghotaru which had formerly belonged to Jaisalmer were restored to the State. The population according to the census of 1931 is 67,672. The present Ruling Prince is His Highness Maharaja Dhury Raj Rajeshwar Maharawalji Sir Jawahir Singhji Sahib Bahadur, Yadukul, Chandrabhil Rukunud-Dowlah, Muzaffer Jung, Bijnimind, K.C.S.I. Revenue about four lakhs.

Sirohi State is much broken up by hills of which the main feature is Mount Abu, 5,650 feet. The Chiefs of Sirohi are Deora Rajputs, a branch of the famous Chauhan clan which furnished the last Hindu kings of Delhi. The present capital of Sirohi was built in 1425. The city suffered in the eighteenth century from the wars with Jodhpur and the depredations of wild Mina tribes. Jodhpur claimed suzerainty over Sirohi but this was disallowed and British protection was granted in 1823. The present ruler is His Highness Maharajadhiraj Maharao Shri Sir Sarup Ram Singh Bahadur, G.C.I.E., K.C.S.I. The State is ruled by the Maharao with the assistance of Ministers and other officials. Revenue about 10½ lakhs.

Jaipur is the fourth largest State in Rajputana. It consists for the most part of level and open country. It was known to the ancients as Matsya Desh, and was the kingdom of the King Virata mentioned in the Mahabharata, in whose court, the five Pandava brothers during their last period of exile resided. Bhairat in the Jaipur State has been identified.

The Maharaja of Jaipur is the head of the Kuchava clan of Rajputs, which claims descent from Kushi, son of Rama, King of Ayodhya, the famous hero of the famous epic poem, the Ramayana. This dynasty in Eastern Rajputana dates as far back as ninth century A.D. Dulha Rai, one of its most early rulers, made Amber the capital of the State in 1037 A.D. About the end of 12th century one of the rulers, Pajun, at the head of the army of Prithvi Raj, Emperor of Delhi, defeated Shahabuddin Ghori in the Khyber Pass and pursued him as far as Ghazni. Prithvi Raj had given his sister in marriage to him. History of India records several distinguished rulers of Jaipur from amongst whom the following require particular mention: Man Singh, 1590-1615. He was a victorious general, intrepid commander and

tractful administrator, whose fame had spread throughout the country. During most troublous times, he maintained Imperial authority in Kabul and was the brilliant character of Akbar's time. Maharaja Sawai Jai Singh II (1700—44) was the first town planner in India. He removed the capital of the State to Jaipur, so named after him. During his time, the State acquired great power and fame. He was a great mathematician and scientist of his age, and is famous for his astronomical observatories which he built at several important centres in India. His court was visited by foreign astronomers. Maharaja Sawai Ram Singh, 1835-1880. He was one of the most enlightened princes in India at that time. He encouraged art and learning. He embellished the city in various ways and improved the administration and material condition of the people. Maharaja Sawai Madho Singh II, 1880-1922. He was a very wise and intelligent ruler who followed in the foot steps of his father. He maintained and steadily improved all the useful measures initiated by the late Maharaja. His administration was characterized by great liberality, catholicity and a broad outlook on affairs. His deep religious devotion and piety and unrivalled generosity and genuine and active sympathy are well known. His staunch loyalty and maintenance of the traditions of his house raised him in the estimation of the paramount power. He passed away after a long reign of 41 years. His late Highness' donations and subscriptions to works of charity are enormous and too numerous to detail. His Highness the present Maharaja Sawai Man Singh II Bahadur was born on 21st August 1911. He was adopted by His late Highness on 24th March 1921. He is a scion of the Rajawat House of Isarda, and ascended the gadi on the 7th September 1922, and was married to the sister of the present Maharajah of Jodhpur on the 30th January 1924, from whom he has a daughter and a son and heir (b 22nd October 1931). His second marriage with the daughter of his late Highness Maharaja Shri Sumer Singh Bahadur of Jodhpur was celebrated on the 24th April 1932. By this marriage he has a son born in England on May 5, 1933. He studied at the Woolwich Military Academy in England and promises to be an ideal ruler having given abundant evidence already of the keen and sympathetic interest he takes in all that concerns the welfare of his people and mankind in general.

His Highness the Maharaja Sahib Bahadur was invested with full powers on 14th March 1931. A Chief Court of Judicature was established in 1921. The army consists of Cavalry, Infantry, Transport and Artillery. The normal revenue is about one crore and twenty lakhs.

According to the Census of 1931 the population of the State is 26,31,775. In area it is 16,682 square miles.

Kishangarh State is in the centre of Rajputana and consists practically of two narrow strips of land separated from each other with an area of 858 square miles (population 85,744), the northern mostly sandy, the southern generally flat and fertile. The Ruling Princes of Kishangarh belong to the Rathor clan of Rajputs and are descended from Maharaja Kishan Singh (second son of Maharaja Udai Singh of Jodhpur) who

founded the town of Kishangarh in 1611. The present ruler is His Highness Umdae Rajpal Buland Mahan Maharajah Dhiraj Dikshit Yagnarain Singh Bahadur. He was born on the 26th January, 1896, and was educated at the Mayo College, Ajmer, where he passed the Diploma Examination. He was married to the sister of Raja Bahadur Maksudangarh in May, 1915. He went to England and travelled on the Continent with His Late Highness in 1921. On the demise of His Late Highness on 25th September 1926, he succeeded to the Gadi on the 24th November 1926. He administers the State with the help of a Council. Revenue about 9 lakhs and expenditure 8 lakhs.

Lawa State, or Chief of Rajputana is a separate chieftship under the protection of the British Government and independent of any Native States. It formerly belonged to Jaipur and then became part of the State of Tonk. In 1867, the Nawab of Tonk murdered the Thakur's uncle and his followers, and Lawa was then raised to its present State. The Thakurs of Lawa belonged to the Naruka sect of the Kachwaha Rajputs. The present Thakur, Banperdeep Singh, was born on September 24, 1923 and succeeded to the chieftship on 31st December 1929. The chieftship is under minority Administration. Revenue about Rs 50,000.

Bundi State is a mountainous territory in the south east of Rajputana. The Ruler of Bundi is the head of the Hara sect of the great clan of Chauhan Rajputs and the country, occupied by this sect has for the last five or six centuries been known as Harauti. The State was founded in the early part of the thirteenth century and constant feuds with Mewar and Malwa followed. It threw in its lot with the Mahomedan emperors in the sixteenth century. In later times it was constantly ravaged by the Marathas and Pindaries and came under British protection in 1816. The present ruler of the State is His Highness Maharao Raja Shri Ishwari Singhji Saheb Bahadur. He was born on 8th March 1893 and succeeded to the Gadi on 8th August 1927. His Highness is entitled to a Salute of 17 guns. Revenue about 12½ lakhs. Hall and 3½ lakhs. Kalder, Expenditure nearly the same.

Tonk State—Partly in Rajputana and partly in Central India, consists of six Parganas separated from one another. The ruling family belongs to the Salarai clan of the Bunerwal Afghan tribe. The founder of the State was Nawab Muhammad Amir Khan Bahadur, General of Holkar's Army from 1798-1806. Holkar bestowed grants of land on him in Rajputana and Central India and the land so granted to him was consolidated into the present State. The present Ruler of the State is His Highness Said-ud Daula, Wazir ul Mulk Nawab Hafiz Muhammad Saadat Ali Khan Bahadur, Sultan Jung who ascended the Masnad in 1930. The administration is conducted by the Nawab in consultation with the Council of four members, viz, (1) Major D de M S Fraser, I.A., Principal Officer and Adviser to His Highness, Vice-President, State Council, and Finance Member, (2) Khan Bahadur Sheikh Rahim Bakshi, O.B.E., Judicial Member, (3) Khan Sahib Mohammad Asad Ullah Khan, Revenue Member, (4) Khan Bahadur Shubzadar Muhammad Abdul Tawwab Khan, Home Member.

Secretary—M Hamid Husain, B A

Revenue—Rs 23,49,282 Expenditure—
Rs 20,94,000

Shahpura State—The ruling family belongs to the Seesodia Clan of Rajputs. The State came into existence about 1629 when the Parganah of Phulia was granted by the Mughal Emperor Shah-I-Jehan to Maharaj Suraj Singh, son of Maharaj Surajmal, the second son of Maharana Amar Singh of Udaipur. Later on Raja Ran Singhji received the parganah of Kachhola from the Maharana of Udaipur and was recognised as a great noble of the Mewar State.

The present Ruler is Rajadhiraj Sri Umair Singhji Bahadur. The State enjoys permanent honour of nine gun salute.

Bharatpur State—Consists largely of an immense alluvial plain, watered by the Banganga and other rivers.

The present ruling family of Bharatpur are Jats, of the Sinsinwar clan who trace their pedigree to the eleventh century. The family derives its name from its old village Sinsini. Bharatpur was the first State in Rajputana that made alliance with the British Government in 1803. It helped Lord Lake with 5,000 horse in his conquest of Agra and battle of Laswari wherein the Maratha power was entirely broken and received 5 districts as reward for the service. In 1804, however, Bharatpur sided with Jaswant Rao Holkar against the British Government which resulted in a war. Peace was re-established in 1805 under a treaty of alliance and it continues in force. The Gadi being usurped by Darjan Sal in 1825, the British Government took up the cause of the rightful heir Maharaja Balwant Singh Shaib. Bharatpur was besieged by Lord Combermere, and as the faithful subjects of the State also made common cause with the British Army the usurper was quickly disposed of, and Maharaja Balwant Singh, the rightful heir to the Throne, came into his own. Bharatpur also rendered valuable service to the British Government during the Mutiny. During the great War the Bharatpur Durbar gave valuable help to the Imperial Government. The Bharatpur Imperial Service Infantry served in East Africa and the Mule Transport Corps served in all theatres of war except Africa. The following are among the most important contributions made by the State during the great war: (1) reinforcement sent to E. Africa for the Imperial Service Infantry, 714 rank and file, and 64 followers, (2) reinforcements for the Imperial Service Transport Corps, 430 rank and file and 64 followers, (3) State subscriptions to war loans 20 lakhs, (4) State subscriptions to Imperial Indian Relief Funds, Soldiers' Comfort Fund, Aeroplane Fleet Fund, Lord Kitchener's Memorial Fund, St John's Ambulance Serbian Relief Fund, and Red Cross, 2 lakhs, (5) public subscriptions to various war funds Rs 26,000 and (6) public subscriptions to war bonds Rs 69,000. Immediately upon their return from Europe the Bharatpur Transport Corps went to the North-West Frontier, and remained on active service there during the Afghan War. The Corps returned to Bharatpur at the conclusion of peace in February 1920. The present Ruler is His Highness Shri Maharaja Brijendra

Sawal Brijendra Singh Bahadur, Bahadur Jung, who was born in 1918 and succeeded his father, Maharaja Sir Kishen Singh who died on the 27th of March 1929.

Revenue Rs 30,47,000

Dholpur State—The family of the ruling Chiefs of Dholpur belongs to the Bamrohra Jats, the adopted home of one of their ancestors. The family took the name of Bamrohra about the year 1367. They next migrated to Gwalior, where they took the part of the Rajputs in their struggles against the Emperor's Officers. Eventually the Bamrohra Jats settled near Gohad and in 1505 Surjan Deo assumed the title of Rana of Gohad. After the overthrow of the Mahrattas at Panipat, Rana Bhim Singh in 1761 possessed himself of the fortress of Gwalior but lost it six years later. In order to bar the encroachments of the Mahrattas, a treaty was made with the Rana in 1779 by the British Government under Warren Hastings, and the joint forces of the contracting parties retook Gwalior. In the treaty of the 13th October 1781 between the British Government and Scindia, it was stipulated that so long as the Maharaj Rana observes his treaty with the English, Scindia should not interfere with his territories. The possession of Gohad however led to disputes between the British and Scindia, and in 1805 the Governor-General transferred Gwalior and Gohad to Scindia, and that of Dholpur, Bari, Baseri, Sepau and Rajakhera to Maharaj Rana Kirat Singh. Maharaj Rana Kirat Singh died in 1836 and was succeeded by his son Maharaj Rana Bhagwant Singh on whose death in 1870 his grandson, the late Chief Maharaj Rana Nehal Singh, succeeded to the Gadi. Major His Highness Rajs ud-Daula Sipahdar ul-Mulk Sararamad Rajhai Hind Maharajadhiraj Sri Sawai Maharaj Rana Sir Uday Bhan Singh Lokindra Bahadur Diler Jang Jai Deo, KCSI, KVO, the present ruler, is the second son of Maharaj Rana Nehal Singh and was born on the 12th February 1893. On the death of his brother Maharaj Rana Ram Singh His Highness succeeded to the gadi on March 1911. He was educated at the Mayo College, Ajmer, where he passed the Diploma Examination and won several prizes. After a short course of training in the Imperial Cadet Corps at Dehra Dun, His Highness went on a tour to Europe in 1912 and was invested with full ruling powers on the 9th October 1913.

By clan and family the Maharaj Rana is connected with the Jat Chiefs of Patiala, Jhind, Nabha and Bharatpur. His mother was the second sister of late Shahzada Basdeo Singh Sahib Bahadur of the family of Maharaj Ranjit Singh of Lahore. His Highness is married to the daughter of the Sardar of Badrukha in the Jhind State.

Karauli State—A State in Rajputana under the Political control of the Political Agent, Eastern Rajputana States Agency, lying between 26° and 27° north latitude and 76° 30' and 77° 30' east longitude. Area, 1,242 square miles. The river Chambal forms the south-eastern boundary of the State, dividing it from Gwalior (Scindia's Territory) on the south-west it is bounded by Jaipur, and on the north-east by the States of Bharatpur, Jaipur and Dholpur. The State pays no tribute to Government. Languages spoken Hindi and Urdu.

Ruler—His Highness Maharajadhiraj Maharaja Bhom Pal, Deo Bahadur, Yadukul Chandra Bhal, Heir-apparent, Maharaj Kumar Ganesh Pal Dewan — Rao Bahadur Pandit Shanker Nath Sharma

Kotah State belongs to the Hara section of the clan of Chauhan Rajputs, and the early history of their house is, up to the 17th century, identical with that of the Bundi family from which they are an offshoot. Its existence as a separate State dates from 1625. It came under British protection in 1817. The present ruler is H. H. Lieut-Colonel Maharao Sir Umed Singhji Bahadur, GCSI, GCIE, CBE, who was born in 1873 and invested with full powers in 1896. In administration he is assisted by two members, Rai Bahadur Pandit Bishwambhar Nath, M.A., and Major-General Onkarsingh, CIE. The most important event of his rule has been the restoration, on the deposition of the late Chief of the Jhalawar State, of 15 out of the 17 districts which had been ceded in 1838 to form that principality. Revenue 51 lakhs, Expenditure 47 lakhs.

Jhalawar State consists of two separate tracts in the south-east of Rajputana with an area of 813 square miles yielding a revenue of about 8 lakhs of rupees. The ruling family belongs to the Jhala clan of Rajputs. The present Ruler, Lieutenant His Highness Maharaj Rana Rajendra Singhji, succeeded to the Gadi on 13th April, 1929. He was born in 1900 and educated at the Mayo College, Ajmer, and Oxford University. The heir-apparent Maharaj Kumar Virendra Singh was born in England on 27th September, 1921. Sirdar Mir Maqbul Mahmood, B.A., LL.B., Barr-at-Law, B. Litt (Oxon), B.A., is the Dewan of the State.

The Bikaner State in point of area is the seventh largest of all the Indian States and the second largest in Rajputana. The population of the State is 9,36,218 of whom 77 per cent are Hindus, 15 per cent Mahomedans, 4 per cent Sikhs and 3 per cent Jains. The capital city of Bikaner, with its population including the suburbs of 85,927, is the third city in Rajputana.

The northern portion of the State consists of level loam land, whilst the remainder is for the most part sandy and undulating. The average rainfall is about 12 inches. The water level over most of the State is from 150 feet to 300 feet deep.

The Reigning Family of Bikaner is of the Rathore clan of Rajputs, and the State was founded in 1465 A.D. by Rao Bikaji, son of Rao Jodhaji, Ruler of Marwar (Jodhpur), and after him both the Capital and the State are named Rai Singhji, the first to receive the title of Rajah, was "one of Akbar's most distinguished Generals" and it was during his reign that the present Fort of Bikaner was built in 1593. The title of Maharajah was conferred on Rajah Anup Singhji by the Mughal Emperor in 1687 in recognition of his distinguished services in the capture of Golconda. The conspicuous services of Maharajah Sardar Singhji who in the Indian Mutiny of 1857 personally led his troops to co-operate with the British forces in the field on the outbreak of the Mutiny was acknowledged by the Government of India by the transfer of

the Sub-Tehsil of Tibi, consisting of 41 villages from the adjoining Sirsa Tehsil in the Punjab to the Bikaner State.

The present Ruler, Lieutenant-General His Highness Maharajadhiraj Raj Rajeshwar Narendra Shriromani Maharajah Sri Sir Ganga Singhji Bahadur, GCSI, GCIE, CBE, CBI, KCB, ADC, ILD, is the 21st of a long line of distinguished rulers renowned for their bravery and statesmanship. He was born on the 13th October 1880, and assumed full ruling powers in December, 1908. He was awarded the first class Kaisar-i-Hind Medal for the active part he took in relieving the famine of 1899-1900, and soon after he went on active service to China in connection with the China War of 1900-1901 in command of his famous Ganga Risala and was mentioned in despatches and received the China Medal and K.O.R. The State forces consist of the Camel Corps, known as 'Ganga Risala,' whose sanctioned strength is 405 strong, an Infantry Battalion known as Sidul Light Infantry 610 strong, a Regiment of Cavalry known as Dungan Jancers 312 strong, including His Highness' Body Guard, a Battery of Artillery (4 guns 275), 236 strong and Camel Battery, 20 strong and State Band 35 strong. At outbreak of the Great War in 1914, His Highness immediately placed the services of himself and his State forces and all the resources of the State at the disposal of His Imperial Majesty the King Emperor, and the Ganga Risala reinforced by the Infantry Regiment, which became incorporated in the Camel Corps in the field, rendered very valuable services in Egypt and Palestine. An extra force was also raised for internal security. His Highness personally went on active service in August 1914 and enjoys the honour of having fought both in France and Egypt, and thus has the distinction of having fought for the British Crown on three Continents, viz., Asia, Europe and Africa. He was mentioned in despatches both in Egypt and France. His Highness also played a very conspicuous political part during the period of the War when he went twice to Europe as the Representative of the Princes of India, once in 1917 to attend the meetings of the Imperial War Cabinet and Conference, and again in 1918-19 to attend the Peace Conference where he was one of the signatories to the Treaty of Versailles. His Highness led the Indian Delegation to the 11th Assembly of the League of Nations at Geneva and represented the Indian States at the Imperial Conference in 1930. His Highness also attended the Indian Round Table Conference and the Federal Structure Sub-Committee both in 1930 and 1931.

His Highness enjoys a salute of 19 guns (personal) whilst the permanent local salute of the State is also 19. His Highness has also had the honour of being elected the first Chancellor of the Chamber of Princes, an office which he filled most creditably for 5 years till 1925.

His Highness is assisted in the administration of the State by a Prime Minister and Chief Councillor in the person of Sir Manubhai N. Mehta, Kt., GSI M.A., LL.B. formerly the Dewan of the Baroda State. A Legislative Assembly was inaugurated in 1913, and consists of 45 Members, 20 out of whom are elected Members. It meets twice a year.

The revenues of the State are over a crore of rupees and the State owns a large Railway system, the total mileage being 795.85. The Government have also under contemplation an extension of the Bikaner State Railway from Sadulpur to Rewari and from Bikaner to Sind via Jaisalmer which will have the effect of connecting Delhi with Sind. Hitherto there was practically no irrigation in the State the crops depending only on the scanty rainfall but the Ganga Canal taken out from the Sutlej river has now been constructed and opened and will help to protect about 6,20,000 acres of land in the northern part of the State against famine from which it has suffered in the past 3,35,724 Bighas of the Canal land have already been sold. Even larger expectations are held out from the Bhakra Dam Project from which it is hoped that the remaining level lands in the north of the State will be irrigated. A coal mine is worked at Palana, 14 miles south from the Capital.

Alwar State is a hilly tract of land in the East of Rajputana. The Alwar House is the head in India of the Naruka clan who are descendants of 'Kush', the eldest son of Shri Ram in the Solar dynasty. Raja Uda Karanji was the common ancestor of both the Alwar and Jaipur Houses. Bar Singh, the eldest son of Uda Karanji of Amber, renounced his right of succession in favour of his younger brother Nar Singh. Nar Singh's line founded Jaipur which in Bar Singh's line Maharaj Pratap Singh established the Alwar State. Before his death in 1791 Maharaj Pratap Singh secured possession of large territories. His successor sent a force to co-operate with Lord Lake in the War of 1803. An alliance of mutual friendship was concluded with the British Government in that year. The present Ruler Col. His Highness Shri Sewa Maharaj Raj Rishi Sir Jev Singh Bahadur, G.C.S.I., G.C.I.E., who is sixth in succession from Maharaj Pratap Singh was born in 1882, succeeded his father Maharaj Shri Mangal Singh Dev, G.C.S.I., in 1892 and assumed the Ruling powers in 1903. He carries on the administration with the assistance of 5 Ministers, Members of his Council, and departmental Officers. Normal revenues about 40 lakhs. His Highness Shri Maharaj Mangal

Singh Dev was the first Prince in Rajputana to offer help in the defence of the Empire in 1888. Alwar State stood first in recruiting in Rajputana at the time of the Great War. His Highness enjoys a salute of 17 guns. The capital Alwar is on the B.B. & C.I. Ry. 98 miles west of Delhi.

Palanpur—Palanpur is a first class State with an area of 1,76,889 square miles and a population of 264,179. The net revenue of the State calculated on the average of the last five years is about 11 lakhs.

The State is under the rule of Major His Highness Zuhd-tul-Mulk Dewar Maharajah Nawab Shri Taley Muhomed Khan Bahadur, G.C.I.E., K.C.V.O., Nawab Saheb of Palanpur. His Highness is descended from the Usazai Lohani Pathan, an Afghan tribe who appeared in Gujarat in the 14th century. The connection of the British Government with the State dates from 1809, in which year the Ruler was murdered by a body of Sindhi Jamadars. A considerable trade in cloth, wheat, ghee, wool, hides, castor and rape seeds, sugar and rice is carried on in the State. The capital city of Palanpur is situated on the B.B. & C.I. Railway, and is the junction station of the Palanpur-Deesa branch of the B.B. & C.I. Railway. It is a very old settlement of which mention was made in the 8th century.

RAJPUTANA

Agent to Governor-General—The Hon. Lt.-Col. G. D. Ogilvie, C.S.I., C.I.E.

UDAIPUR

Resident—Lt.-Col. W. A. M. Garstin, C.B.E.

JAIPUR

Resident—A. C. Lotheran, I.C.S.

EASTERN RAJPUTANA STATES

Political Agent—L. G. I. Evans, I.C.S.

WESTERN RAJPUTANA STATES

Resident—A. C. Lotheran, I.C.S.

HARAOTI AND TONK

Political Agent—Capt. D. R. Smith.

SOUTHERN RAJPUTANA STATES

Political Agent—Lt.-Col. W. A. M. Garstin, C.B.E.

CENTRAL INDIA AGENCY.

Central India Agency is the name given to the country occupied by the Indian States grouped together under the supervision of the Political Officer who is designated the Agent to the Governor General in Central India with headquarters at Indore. As constituted in 1921—that is, after the separation of the Gwalior Residency—it is an irregularly formed tract lying in two sections, the Eastern comprising Bundelkhand and Baghelkhand Agencies between 22°-38' and 26°-19' North and 78°-10' and 83°-0' East and the Western consisting of the Bhopal and the Southern States and Malwa Agencies between 21°-22' and 24°-47' North and 74°-0' and 78°-50' East. The British districts of Jhansi and Saugor and the Gwalior State divide the Agency into two sections. The total area covered is 51,597 square miles and the population (1931) amounts to 6,632,790. The great majority of the people are Hindus. There are 28 Salute States of which the follow-

ing 10 have direct treaty engagements with the British Government—Indore, Bhopal, Rewa, Orchha, Datia, Dhar, Dewas Senior Branch, Dewas Junior Branch, Samthar and Jaora. All of these are Hindu except Bhopal, Jaora and Baoni which are Muhammadan. Besides these there are 59 Minor States and Guaranteed Estates. Excluding the Indore State and the Hapur and Lalgarh Estates they are divided into following groups for administrative purposes—Bhopal Agency, 11 States and Estates (principal States Bhopal), Dewas Senior Branch, Dewas Junior Branch, Bundelkhand Agency, 33 States and Estates (principal States Orchha), Southern and Datia States and Malwa Agency, 39 States and Estates (principal States Dhar, Jaora and Ratlam). The Agency may roughly be divided into two natural divisions, Central India West comprising the former Plateau division with such hilly land as lies on this side and Central India

East comprising the former low lying area and the Eastern hilly tracts." The hilly tracts lie along the ranges of the Vindhya and Satpura. They consist of forest areas and agriculture is little practised there, the inhabitants being mostly members of the wild tribes. The territories of the different States are much intermingled and their political relations with the Government of India and each other are very varied.

The following is the size, population and revenue of the ten treaty States mentioned above—

Name	Area in square miles	Population	Revenue
			Lakhs Rs
Indore	9,670	13,18,237	136
Bhopal	6,924	7,20,955	80
Rewa	13,000	15,87,445	60
Orchha	2,080	3,14,556	101
Datia	912	1,58,834	16
Dhar	1,784	2,43,430	171
Deवास, Senior Branch	440	83,321	91
Deवास, Junior Branch	419	70,513	6
Samthar	180	33,307	34
Jaora	602	1,00,166	131

Gwalior—The house of Scindia traces its descent to a family of which one branch held the hereditary post of *patel* in a village near Satana. The head of the family received a patent of rank from Aurangzeb. The founder of the Gwalior House was Ranoji Scindia who held a military rank under the Peshwa Baji Rao. In 1726 the Peshwa granted deeds to Puar, Holkar and Scindia, empowering them to levy 'Chauth' and 'Sardesmukhi' and return half the amount for payment to their troops. In 1736 Ranoji Scindia accompanied Baji Rao to Delhi where he and Mulhar Rao Holkar distinguished themselves in military exploits. Ranoji fixed his headquarters at the ancient city of Ujjain, which for the time became the capital of the Scindia dominions. During the time of Mahadji Scindia and Daulat Rao Scindia Gwalior played an important part in shaping the history of India. Despite the partial reverse which Mahadji Scindia's troops suffered at the hands of the British in 1780, reverses which led to the treaty of Salbai (1782), Scindia's power remained unbroken. For the first time he was now recognized by the British as an independent sovereign and not as a vassal of the Peshwa.

In 1790 his power was firmly established in Delhi. While he was indulging ambitious hopes he fell a prey to fever which ended his remarkable career on 12th February, 1794. Himself a military genius, Mahadji Scindia's armies reached the zenith of their glory under the disciplined training of the celebrated French adventurer—De Boigne. Mahadji was succeeded by his grand nephew Daulat Rao in whose service Perron, a Military Commander of great renown, played a leading part. The strength of Scindia's Army was, however, considerably weakened by the reverses sustained at Ahmednagar, Assaye, Assurgah and Laswari. Daulat Rao Scindia died in 1827. Till his

death he remained in undisputed possession of almost all the territory which belonged to him in 1805.

Daulat Rao was succeeded by Tunkoji Rao who passed away in the prime of life. On his demise in 1843 intrigue and party spirit were rampant and the Army was in a state of mutiny with the result that it came into collision with the British forces at Mahurajpore and Pannihir.

Jankoji Rao was succeeded by Haji Rao whose adherence to the British cause during the dark days of Mutiny, when his own troops deserted him, was unshakable. In 1861 he was created a Knight Grand Commander of the Most Exalted Order of the Star of India and in 1877 was made a Councillor of the Empress. Subsequently he received other titles and entered into treaties of mutual exchange of territories with the British Government. He died on the 20th June 1886 and was succeeded by his son Lieutenant-General H. H. Maharaja Sir Madho Rao Scindia, Alijah Bahadur, G.C.V.O., G.C.S.I., G.B.L., A.D.C., to the King. He succeeded in 1886 and obtained powers in 1894. In 1901 he went to China during the war, he held the rank of honorary Lieutenant-General of the British Army and the honorary degrees of LL.D., Cambridge, and D.C.L., Oxon. He was also a Donat of the Order of St. John of Jerusalem in England. He died in June 1925 and was succeeded by his son H. H. Jeevarji Rao Scindia. During His Highness's minority the administration of the State is being conducted by a Council of Regency.

The Ruler of the State enjoys a salute of 21 guns. The State is in direct relations with the Government of India.

The State has an area of 26,367 Sq. miles and population 35,23,070 according to the Census of 1931. Its average rainfall is from 25 to 36 inches. The average revenue is Rs. 2,41,79,000 and average expenditure Rs. 2,06,50,000.

The State has a Police force of 13,897 and Indian State Forces Civilry 1,615 Infantry and Artillery, besides Regular and Irregular troops.

There is a well equipped State workshop in Lashkar, the capital of the State, there are electric Press, electric Power House, Leather Factory, Tannery and Pottery Works. There are some good cotton mills in Lashkar and Ujjain. The State has its own Light Railway and its own Postal system according to Postal Convention. The G. I. P. Railway traverses through a major portion of the State territories.

Indore—The founder of the House of the Holkar of Indore was Mulhar Rao Holkar, born in 1693. His soldierly qualities brought him to the front under the Peshwa, who took him into his service and employed him for his conquests. When the Maratha power was weakened at the Battle of Panipat in 1761, Mulhar Rao had acquired territories stretching from the Deccan to the Ganges as a reward for his career as a Military Commander. He was succeeded by his grandson. On his death without issue his mother Ahilya Bai became the Ruler and her administration is still looked upon with admiration and reverence as that of a model ruler. She was succeeded by Tukoji Holkar who had been associated with her to carry the Military Administration and had in course of it distinguished himself in various

battles Tukoji was succeeded by Kishirao, who was supplanted by Yeshwant Rao, his step brother, a person of remarkable daring strategy is exhibited in a number of engagements in which he had taken part. The brilliant success he obtained at the battle of Poona against the combined armies of Peshwa and Scindia made him a dictator of Poona for some time and he declared in consequence the independence of Holkar State. During 1804-5 he had a protracted war with the British, closed by a Treaty which recognised the independence of Holkar State with practically no diminution of its territories and rights. Yeshwant Rao showed signs of insanity from 1808 onwards and succumbed to this malady in 1811, when he was succeeded by his minor son Malhar Rao II. During the Regency which followed, the power of the State was weakened by various causes, the most important of which was the refractory conduct of the Military Commanders. On the outbreak of the war between the English and the Peshwa in 1817, some of these Commanders, with a part of the army, rebelled against the authority of the State and were disposed to befriend the Peshwa, while the regent mother and her ministers were for friendship with the British. There was a battle between the British Army and this refractory portion of the Holkar Army which culminated in the latter's defeat. Holkar had to come to terms and to cede extensive territories and rights over the Rajput Princes to the British, but the internal sovereignty remained unaffected. The Treaty of 1818 which embodied these provisions still regulates the relations between the British Government and the State.

Malhar Rao died a premature death in 1833. Then followed the weak administration of Hari Rao and his son. In 1844 Tukoji Rao II ascended the Throne, but as he was a minor the administration was carried on by a Regency under Sir Robert Hamilton, the Resident as its Adviser. The prosperity of the State revived a great deal during this administration and the progress was maintained after the Maharaja assumed powers in 1852. It was interrupted by the outbreak of the Mutiny in 1857 in British India. This wave of disaffection did not leave some of the State troops untouched. The Maharaja with his adherents and the remaining troops remained, however, staunch to the British and gave every possible assistance to the British authorities at Indore, Mhow and other places which was recognised by the British Government. The Maharaja died in 1886 after having effected various reforms in the administration and raised the position of the State to a high degree of prosperity and honour. He was succeeded by Shivaji Rao who reigned for 16 years and will be specially remembered for his beneficent measures in matters of education, sanitation, medical relief and abolition of transit duties. Tukoji Rao III succeeded in 1903 while yet a minor. The Regency Administration was continued till 1911 and it effected a number of reforms in all the branches of administration. The policy of the Regency was maintained by the Maharaja. With his assumption of powers the State advanced in education in general, including female education, commerce and industrial developments, municipal franchise and other representative institutions. This prosperity was specially reflected in the Indore

City, the population of which rose by 10 per cent.

During the war of 1914 the State placed all its resources at the disposal of the British Government. Its troops took part in the various theatres of war and the contribution of the State towards the war and charitable funds in money was 41 lakhs and its subscriptions to the War Loans amounted to Rs. 82 lakhs, while the contribution from the Indore people amounted to over one crore. This assistance received the recognition of the British Government.

The area of the State is 9,902 square miles with a revenue of about one crore and thirty-eight lakhs. According to the Census of 1931 the population of the State is about 1,325,000, showing an increase of 14.5 per cent. over the Census figures of 1921.

The State now possesses one first grade College teaching up to M.A. and LL.B., 6 High Schools, 1 Sanskrit College and 600 other educational and 71 medical institutions. An Institute of Plant Industry for the improvement of cotton is located at Indore. It has also 9 spinning and weaving mills.

The strength of the State Army is about 3,000. The State is traversed by the Holkar State Railway, the principal station of which is Indore, the B.B. & C.I. Railway and the U.B. Section of the G.I.P. Railway. Besides the trunk roads, there are 600 miles of roads constructed and maintained by the State. The reforms introduced recently are the establishment of State Savings Banks, a scheme of Life Insurance for State officials, establishment of a Legislative Committee consisting of seven elected members out of a total of nine members, introduction of a Scheme of Compulsory Primary Education in the City of Indore, measures for the expansion of education in the mofussil and a scheme for the formation of the Holkar State Executive Service.

His Highness Maharaja Tukoji Rao III abdicated in favour of his son. The present Maharaja Yeshwant Rao Holkar was born on 6th September 1908. He received his education in England during 1920-23 and again at Christ Church College, Oxford, from 1926 till his return in 1929. He married a daughter of the Junior Chief of Kargil (Kolapur) in February 1924. His educational career at Oxford in England having come to an end, he returned to India arriving at Indore on the 12th November 1929, and received administrative training with Mr. C. W. Mills, C.I.E., F.O.S. He assumed full Ruling Powers on the 9th May 1930.

The chief imports are cloth, machinery, sugar, salt and kerosene oil. The total imports in 1931-32 amounted to Rs. 1,62,12,470.

The chief exports are cotton, cloth, tobacco and cereals. The total exports in 1931-32 amounted to Rs. 56,52,036 exclusive of the exported produce of the Ginning and Pressing factories.

Cloth manufactured at the local mills is valued at over two crores and the local trade in wheat is estimated at one crore.

Cotton excise duty at 31 per cent *ad valorem* has been abolished from 1st May 1926 and an industrial tax is levied on the cotton mills from the same date.

Bhopal—The principal Mohammedan State in Central India ranks next in importance to Hyderabad among the Mohammedan States of India. The ruling family was founded by Sardar Dost Mohammad Khan, Diler Jung, a Tirah Afghan, who, after having served with distinction in the army of the Emperor Aurangzeb, obtained the pargana of Berrah in 1700. With the disintegration of the Moghul Empire Bhopal State developed into an independent State. In the early part of the 19th century, the Nawab successfully withstood the inroads of Scindia and Bhonsla, and by the agreement of 1817 Bhopal undertook to assist the British with a contingent force and to co-operate against the Pindari bands. In 1818 a permanent treaty succeeded the agreement of 1817.

The present ruler of the State, His Highness Sikander Sulat Nawab Istikhariul Mulk, Lieutenant Colonel Haji Sir Mohammad Humdullah Khan Bahadur, GCSI, GCMG, CVO, BA, succeeded his mother, Her late Highness Nawab Sultan Tahin Begum, on her abdication in May, 1926. He had previously actively participated in the administration of the State for nearly ten years as Chief Secretary and afterwards as Member for Finance and Law and Justice.

His Highness is the head of the Government and is assisted by an Executive Council consisting of five Members and one Secretary, whose names are given below—

Allmaratbat, James Ferguson Dyer CII, ICS, President of the State Council and Member, Revenue Department.

Allmaratbat, Rai Bahadur, Raja Oudh Narain Bisarya, BA, Member, Finance, Law and Justice and Public Works Departments.

Allmaratbat, Nasirul Mulk, Moulvi Syed Latif Ali, MA, LLB, Member, Robkari Khis.

Allmaratbat, Lieutenant Colonel H. De N. Lucas, Member, Army Department.

Allmaratbat, Rafiqul Qadir, Zirul Uloom, Mufti Mohammad Anwarul Haq, MA, MF, Member, Public Health and Education Department.

Secretary—Munshi Hasan Mohammad Hayat, BA.

The Political Department is under His Highness direct control, the Secretary being All Qadir, Kazi Ali Haider Abbasi.

The work of legislation with the right of discussing the budget, moving resolutions and interpellation rests with a representative Legislative Council inaugurated in 1927. The raiyatwari system in which the cultivator holds his land direct from Government has lately been introduced. The State forests are extensive and valuable, and the arable area which comprises more than two thirds of the total consists mostly of good soil producing cotton, wheat, other cereals, sugar-cane and tobacco. The State contains many remains of great archaeological interest including the famous Sanchi Topes, which date from the third century B.C. and which were restored under the direction of Sir John Marshall during

the second decade of the century. Sanchi Station on the G. I. P. main line to Delhi adjoins the Topes.

Among other troops the State maintains one full strength Infantry Battalion. The capital, Bhopal City, is beautifully situated on the northern bank of an extensive lake, the junction for the Bhopal Ujjain Section of the Great Indian Peninsula Railway.

Rewa—This State lies in the Peshawar Agency, and falls into two natural divisions separated by the scrap of the Kaimur range. The area is 1,000 sq. miles with a population of 15,87,522 (in 1911). Its Chiefs are Jajaji Rajputs descended from the Solanki clan which ruled over Gujrat from the tenth to the thirteenth century. In 1812, a body of Pindaries aided Mirzapur from Rewa territory and the Prince who had previously rejected overtures for an alliance, was called upon to accede to a threat acknowledging the protection of the British Government. During the Mutiny Rewa offered troops to the British and for his services then, various parganas, which had been seized by the Marathas, were restored to the Rewa Chief. The present ruler is H. H. Bandhvesh Maharaja Sir Gulab Singh Bahadur ICSI, GCMG, who was born in 1901. He was married in 1919 to the sister of His Highness the Maharaja of Jodhpur. Upon the death of his father Lt. Col. H. H. Maharaja Sir Venkat Raman Singh Bahadur, GCSI on 30th October, 1918, H. H. Bandhvesh Maharaja Gulab Singh Bahadur succeeded to the position 31st October as a minor. During the period of minority the State was administered by a Council of Agency with H. H. Maharaja Colonel Sir Sujay Singh Bahadur, KCSI, KCMG, ADC of Rutlum as Regent. H. H. Bandhvesh Maharaja Gulab Singh Bahadur attained majority in 1922 and was invested with full ruling powers on 31st October, 1922, by H. L. the Viceroy and the administration of the State is now carried on by him with the aid of a State Council of which His Highness is the President. His Highness has got a son and heir named Shri Yuvraj Maharaj Kumar Mart and Singhji, born on 15th March, 1923.

His Highness' second marriage with the daughter of H. H. Maharaja of Kishengarh was performed on the 18th February 1925.

Dhar—This State, in the Agency for Southern States in Central India, takes its name from the old city of Dhar, long famous as the capital of the Parmar Rajputs, who ruled over Malwa from ninth to the thirteenth century and from whom the present Rulers of Dhar—Puar Marathas—claim descent. In the middle of the 18th century the Ruler of Dhar, Anand Rao, was one of the leading chiefs of Central India sharing with Holkar and Scindia the rule of Malwa. The State came into treaty relations with the British Government in virtue of the treaty of 1819. Lt. Colonel H. H. the Maharaja Sir Udayi Rao Puar Sahib Bahadur, KCSI, KCMG, KBF, died on 30th July 1926. There are 13 Feudatories and 9 Bhums of whom 13 hold a guarantee from the British Government. The population of the State according to the latest

Census figure is 2,43,521 and the average Income and Expenditure are about 17 and 16 lakhs respectively.

The present Ruler, His Highness the Maharaja Anand Rao Puar Sahib Bahadur being minor, the Government of State is carried on by a Council. Dewan Bahadur K. Nankar is Dewan and President of the Council of Administration.

The famous and the ancient hill fort of Mandla the capital of several ancient and medieval kingdoms, with its beautiful mausoleums, tombs and palaces and high hills and deep dales is situated in the State at a distance of 24 miles from the city of Dhar.

Jaora State—This State is the only Treaty State in the Malwa Political Agency covering an area of about 601 square miles with a total population of 1,00,204, and has its headquarters at Jaora Town. The Chiefs of Jaora claim descent from Abdul Mujid Khan an Afghan of the Tajik Khel from Swat. The first Nawab was Abdul Ghaffoor Khan who obtained the State about the year 1808. The present Chief is Lt Col His Highness Lal Bahadur Daulat Nawab Sir Mohammad Iftikhar Ali Khan Sahib Bahadur, Saadat-e-Iqbal, C.I.E., who was born in 1883. His Highness is an Honorary Lt Col in the Indian Army.

In the administration of the State His Highness is assisted by a Council constituted as under—

President—His Highness the Nawab Sahib Bahadur. **Vice President**—Khan Bahadur Sahibzada Mohamed Serfarz Ali Khan, Chief Secretary. **Secretary**—Mr. Nasrat Mohammad Khan, M.A., I.L.B., (Aligarh). **Members**—Nawabzada Mohammad Asir Ali Khan Sahib, Nawabzada Mohammad Mumtaz Ali Khan Sahib, Military Secretary (Military) Khan Bahadur Sahibzada Mohammad Sher Ali Khan, Secretary, Public Health Deptt. Major P. J. Norbury, D.S.O., I.A. Private Secretary M. Sarajur Rehman Khan Par-at-Law (Offg.) Judicial Secretary (Law & Justice) Mirza Mohammad Aslam Beg, Revenue Secretary (Revenue) Mr. Scrjua Rehman Khan Par-at-Law Judge, Chief Court, and Seth Govindramji, (Finance Member).

A Chief Court with a Chief Justice and two Puisne Judges has also been established.

The soil of the State is among the richest in Malwa being mainly of the best black variety bearing excellent crops of wheat, cotton and poppy. The average annual revenue is Rs. 12,00,000.

Rutlam—Is the premier Rajput State in the Malwa Agency. It covers an area of 871 square miles, including that of the Jagir of Khera in the Kushalgarh Chiefship, which pays an annual tribute to the Rutlam Deybar. The State was founded by Raja Ratansinghji, a great grandson of Raja Uday Singh of Jodhpur, in 1652. The Ruler of Rutlam is the religious head of the Rajputs of Malwa, and important caste questions are referred to him for decision. The State enjoys full and final civil and criminal powers. The present Ruler of Rutlam is Colonel His Highness Maharaja Sir Sajjan Singh, C.I.E., K.C.S.I., K.C.V.O., A.D.C. to H.R.H. the Prince of Wales, who was born in 1880, and educated at Daly College, Indore, received military training

in Imperial Cadet Corps and invested with full powers in 1898. His Highness served in the war in France and Egypt from 1915 to 1918, was mentioned in despatches and received the Croix d'Officiers de Legion d'Honneur. Salute 13 guns, local 15 guns.

Dewan—Rao Bahadur Devshanker I. Dave, Advocate.

Datta State—The rulers of this State, in the Bundelkhand Agency, are Bundela Rajputs of the Orchha house. The territory was granted by the chief of Orchha to his son Bhagwan Rao in 1620, this was extended by conquest and by grants from the Delhi emperors. The present Ruler Major His Highness Maharaja Lokendra Sir Govind Singh Ji Deo Bahadur, C.I.E. (1932), K.C.S.I., 1918, who was born in 1886 and succeeded in 1907, married 1902, enjoys a salute of 15 guns. He placed all his resources and his personal services at the disposal of the Imperial Government during the Great War and established a War Hospital at Datta. He is a progressive Ruler and has created a Legislative Council and introduced many useful and important reforms in his State. He is a Vice President of St. John Ambulance Association, a patron of Red Cross Society and has recently offered to the Imperial City of Delhi the life size marble statue of Lord Reading the late Viceroy. He has built a hospital in the city named after Mrs. Heale and to advance female education he has built a girls' school named after Lady Willington. His Highness is a famous big game shot and has shot more than 156 tigers.

Orchha State—The rulers of this State are Bundela Rajputs claiming to be descendants of the Gharwars of Benares. It was founded as an independent State in 1048 A.D. It entered into relations with the British by the treaty made in 1812. His Highness Sir Pratap Singh, C.C.S.I., C.C.I.E., died in March 1930 and has been succeeded by his grandson His Highness Sawai Mahendra Maharaja Vir Singh Deo Bahadur, the present ruler. The ruler of the State has the hereditary titles of His Highness Saramad-I-Rajahal Bundelkhand Maharaja Mahendra Sawai Bahadur. The State has a population of about 3,15,000 and an area of 2,080 square miles. The capital is Tikamgarh, 36 miles from Lalitpur Station, on the G.I.P. Railway. Orchha, the old capital, has fallen into decay but is a place of interest on account of its magnificent buildings of which the finest were erected by Maharaja Bir Singh Dev I, the most famous ruler of the State (1625-1627).

Dewan—Major B. P. Prade, B.A., LL.B., I.P.R.S.

GWALIOR

Resident (Officiating)—Lieut.-Col. D. G. Wilson.

BHOPAL

Political Agent—Lt.-Col. H. W. C. Robson.

BUNDELKHAND

Political Agent—Lt.-Col. A. S. Meek, C.M.G.

SIKKIM.

Sikkim is bounded on the north and north east by Tibet, on the south east by Bhutan, on the south by the British district of Darjeeling, and on the west by Nepal. The population consists of Bhutias, Lepchas, and Nepalese. It forms the direct route to the Chumbi Valley in Tibet. The main axis of the Himalayas, which runs east and west, forms the boundary between Sikkim and Tibet. The Singalila and Chola ranges, which run southwards from the main chain, separate Sikkim from Nepal on the west, and from Tibet and Bhutan on the east. On the Singalila range rise the great snow peaks of Kanchinjunga (28,146 feet), one of the highest mountains in the world. The Chola range which is much loftier than that of Singalila, leaves the main chain at the Dongkya La

Tradition says that the ancestors of the Rajas of Sikkim originally came from eastern Tibet. The State was twice invaded by the Gurkhas at the end of the eighteenth century. On the outbreak of the Nepal War in 1814, the British formed an alliance with the Raja of Sikkim and at the close of the war the Raja was rewarded by a considerable cession of territory. In 1835 the Raja granted the site of Darjeeling to the British

and received Rs 12,000 annually in lieu of it. The State was previously under the Government of Bengal, but was brought under the direct supervision of the Government of India in 1906. The State is thinly populated, the area being 2,818 square miles, and the population 1,09,651, chiefly Buddhists and Hindus. The most important crops are maize and rice. There are several trade routes through Sikkim from Darjeeling District into Tibet. In the convention of 1890 provision was made for the opening of a trade mart but the results were disappointing, and the failure of the Tibetans to fulfil their obligations resulted in 1904 in the despatch of a mission to Lhasa, where a new convention was signed. Trade with the British has increased in recent years, and is now between 40 and 50 lakhs yearly. A number of good roads have been constructed in recent years. The present ruler, His Highness Maharajah Sir Tashi Namgyal, K.C.I.E., was born in 1893 and succeeded in 1914. His Highness was invested with full ruling powers on the 5th April 1918. The title of a C.I.E. was conferred upon the Maharaja on the 1st January 1918 and K.C.I.E. on 1st January 1923. The average revenue is Rs 5,20,422.

Political Officer in Sikkim — F. Williamson

BHUTAN.

Bhutan extends for a distance of approximately 190 miles east and west along the southern slopes of the central axis of the Himalayas adjacent to the northern border of Eastern Bengal and Assam. Its area is 18,000 square miles and its population, consisting of Buddhists and Hindus, has been estimated at 300,000. The country formerly belonged to a tribe called Tek-pa, but was wrested from them by some Tibetan soldiers about the middle of the seventeenth century. British relations with Bhutan commenced in 1772 when the Bhotias invaded the principality of Cooch Behar and British aid was invoked by that State. After a number of raids by the Bhutanese into Assam, an envoy (the Hon. A. Eden) was sent to Bhutan, who was grossly insulted and compelled to sign a treaty surrendering the Duars to Bhutan. On his return the treaty was disallowed and the Duars annexed. This was followed by the treaty of 1865 by which the State's relations with the Government of India were satisfactorily regulated. The State formerly received an allowance of half a lakh a year from the British Government in consideration of the cession in 1865 of some areas on the southern borders. This allowance was doubled by a new treaty concluded in January 1910, by which the Bhutanese Government bound itself to be guided by the advice of the British Government in regard

to its external relations, while the British Government undertook to exercise no interference in the internal administration of Bhutan. On the occasion of the Tibet Mission of 1904, the Bhotias gave strong proof of their friendly attitude. Not only did they consent to the survey of a road through their country to Chumbi, but their ruler, the Tongsa Penlop, accompanied the British troops to Lhasa, and assisted in the negotiations with the Tibetan authorities. For these services he was made a K.C.I.E. and he has since entertained the British Agent hospitably at his capital. The ruler is now known as H.H. the Maharaja of Bhutan, Sir Ugyen Wangchuk, K.C.S.I., K.C.I.E. At the head of the Bhutan Government, there are nominally two supreme authorities, the Dharma Raja, known as Shapting Renpoche, the spiritual head, and the Deb or Depa Raja, the temporal ruler. The Dharma Raja is regarded as a very high incarnation of Buddha, far higher than the ordinary incarnations in Tibet, of which there are several hundreds. On the death of a Dharma Raja a year or two is allowed to elapse, and his reincarnation then takes place, always in the Choye, or royal family of Bhutan.

Cultivation is backward and the chief crop is maize. The military force consists of local levies under the control of the different chiefs. They are of no military value.

NORTH-WEST FRONTIER STATES

The Indian States of the North-West Frontier Provinces are Amb, Dir, Swat and Chitral. The area of the latter three is 3,000, 1,800 and 4,000 square miles and population 250,000, 216,000 and 99,000 respectively.

Amb—Is only a village on the western bank of the Indus in Independent Tinawala.

Chitral—Runs from Jowaraiton to the south of the Hindu Kush range in the north, and has an area of about 4,000 square miles. The ruling dynasty has maintained itself for more than three hundred years, during the greater part of which the State has constantly been at war with its neighbours. It was visited in 1885 by the Lockhart Mission, and in 1889, on the establishment of a political agency in Gilgit, the ruler of Chitral received an annual subsidy from the British Government. That subsidy was increased two years later on condition that the ruler, Amen ul Mulk, accepted the advice of the British Government in all matters connected with foreign policy and frontier defence. His sudden death in 1892 was followed by a dispute as to the succession. The eldest son Nizam-ul-Mulk was recognised by Government, but he was murdered in 1895. A war was declared by Umra Khan of Jandul and Dir against the infidels and the Agent at Gilgit, who had been sent to Chitral to report on the situation, was besieged with his escort and a force had to be despatched (April 1895) to their relief.

The valleys of which the State consist are extremely fertile and continuously cultivated. The internal administration of the country is conducted by His Highness Sir Shuja ul Mulk, K O I E, the Mehtar of Chitral and the foreign policy is regulated by the Political Agent at Malakand.

Dir—The territories of this State, about 3,000 square miles in area, include the country drained by the Panjkora and its affluents down to the junction of the former river with the Bajaur Rud. The Nawab of Dir is the overlord of the country, exacting allegiance from the petty chiefs of the clans. Dir is mainly held by Yusufzai Pathans, the old non-Pathan inhabitants being now confined to the upper portion of the Panjkora Valley known as the Dir Kohistan.

Swat—The Ruler of the State, Miangul Gulsharazada Sir Abdul Wadood, K B I, is a descendant of the famous Akhund Sahib of Swat. He consolidated his rule in Swat from 1917 to 1922, and was recognized by the Government of India as Wali of Swat in 1926. The area of the State is 1,800 square miles and population 216,000. The Headquarters of the State is at Saidu Shrif about 40 miles from Malakand and connected with Malakand by motor road.

Political Agent for Dir, Swat and Chitral—
L W H D Best, O B L, M C, I C S

STATES IN THE MADRAS PRESIDENCY.

The Madras Presidency includes 5 Indian States covering an area of 10,698 square miles. Of these, the States of Travancore and Cochin represent ancient Hindu dynasties. Pudukottai is the inheritance of the chieftain called the Tondiman, Banganapalle and Sandur two petty States, of which the first is ruled by a Nawab, lie in the centre of two British districts.

Name	Area sq miles	Population	Estimated Gross Revenue in lakhs of rupees
Travancore	7,625	5,095,973	230 04
Cochin	1,480	1,205,016	83 62
Pudukottai	1,179	400,694	52 40
Banganapalle	256	39,218	3 71
Sandur	158	13,583	1 78

These States were brought into direct relation with the Government of India on October 1st, 1923.

Travancore—This State, which has an area of 7,624 84 square miles and a population of 5,095,973 with a revenue of Rs 232 88 lakhs

occupies the south west portion of the Indian Peninsula, forming an irregular triangle with its apex at Cape Comorin. The early history of Travancore is in great part traditional, but there is little doubt that H H the Maharaja is the representative of the Chera dynasty, one of the three great Hindu dynasties which exercised sovereignty at one time in Southern India. The petty chiefs, who had subsequently set up as independent rulers within the State, were all subdued, and the whole country, included within its present boundaries, was consolidated and brought under one rule, by Maharaja Marthanda Varma (1729-58). The English first settled at Anjengo, a few miles to the north of Trivandrum, and built a factory there in 1684. In the wars in which the East India Company were engaged in Madras and Tinnevely, in the middle of the 18th century, the Travancore State gave assistance to the British authorities. Travancore was reckoned as one of the staunchest allies of the British Power and was accordingly included in the Treaty made in 1784 between the East India Company and the Sultan of Mysore. To protect the State from possible inroads by Tippu, an arrangement was come to in 1788 with the East India Company, and in 1795 a formal treaty was concluded, by which the Company agreed to protect Travancore from all foreign enemies. In 1805 the annual subsidy to be paid by Travancore was fixed at 8 lakhs of rupees.

H H the Maharaja (b 7th November 1912) ascended the throne on the 1st September 1924. During the minority the State was ruled by Her Highness Maharani Setu Lakshmi Bai, C I, aunt of the Maharaja, as Regent on his behalf. His Highness was invested with ruling powers on the 6th November 1931. The work of legislation was entrusted to a Legislative Council established as early as 1888. The Legislature was last reconstituted in January 1933, when a bicameral body was instituted. The new Chambers, viz., the Sri Mulam Assembly and the Sri Chitra State Council have a predominant elected non official majority. Both Chambers possess the right to vote on the annual Budget, to move resolutions and ask questions. Both Chambers have also the right to initiate legislation. The elections to the Assembly are based on a wide franchise. Differences of opinion between the two Chambers will be settled by a Joint Committee consisting of an equal number of members selected by each Chamber. Women are placed on a footing of complete equality with men in the matter both of franchise and membership in the Legislature.

Local Self-Government on a small scale exists in the more important towns. The State supports a military force of 1,471 men. Education has advanced considerably in recent years and the State takes a leading place in that respect. In the matter of female Education the State has a leading place among Indian States and the British Indian Provinces. The principal food grain grown is rice, but the main source of agricultural wealth is the coconut. Other crops are pepper, areca nut, jack-fruit, sugar cane and tapioca. Rubber and tea are among other important products. Cotton weaving and the making of matting from the coir are among the chief industries. The State is well provided with roads, and with a natural system of back-waters, besides canals and rivers navigable for country crafts. One line of railway about one hundred miles in length cuts across the State from east to west and then runs along the Coast to the Capital. More Railway lines are in contemplation. The capital is Trivandrum.

Agent to the Governor-General—Lieut Col D M Field

Devan—Sir Mohamed Habibullah, KCSI, KCI

Cochin—This State on the south west coast of India is bounded by the Malabar District of the Madras Presidency and the State of Travancore. Very little is known of its early history. According to tradition, the Rajas of Cochin hold the territory in right of descent from Cheraman Perumal, who governed the whole country of Kerala, including Travancore and Malabar, as Viceroy of the Chola Kings about the beginning of the ninth century, and afterwards established himself as an independent Ruler. In 1502, the Portuguese were allowed to settle in what is now British Cochin and in the following year they built a fort and established commercial relations in the State. In the earlier wars with the Zamorin of Calicut they assisted the Rajas of Cochin. The influence of the Portuguese on the west coast began to decline about the latter part of the seventeenth century, and in 1683 they were ousted from the town of Cochin by the Dutch with whom the Raja entered into friendly relations. About a cen-

tury later, in 1759 when the Dutch power began to decline the Raja was attacked by the Zamorin of Calicut who was expelled with the assistance of the Raja of Travancore. In 1776 the State was conquered by Hyder Ali to whom it remained tributary and subordinate, and subsequently to his son, Tippu Sultan. A treaty was concluded in 1791 between the Raja and the East India Company, by which His Highness agreed to become tributary to the British Government for his territories which were then in the possession of Tippu, and to pay a subsidy.

His Highness Sri Sir Rama Varma, G C I E, who ascended the throne in January 1915 having demised on 25th March 1932, His Highness Sree Rama Varma who was born on 30th December 1861 succeeded to the throne and was duly installed as Maharaja on 1st June 1932. The administration is conducted under the control of the Maharaja whose chief Minister and Executive officer is the Dewan, C G Herbert, Esq, I C S. The forests of Cochin form one of its most valuable assets. They abound in teak, ebony, blackwood, and other valuable trees. Rice forms the staple of cultivation. Coconuts are largely raised in the sandy tracts and their products form the chief exports of the State. Communications by road and backwaters are good, and the State owns a line of railway from Shornore to Ernakulam, the capital of the State, and a Forest Steam Tramway used in developing the forests. The State supports a force of 32 officers and 337 men.

Agent to the Governor-General—Lieut Col D M Field

Pudukkottai—This State is bounded on the north and west by Trichinopoly, on the south by Ramanad and on the east by Tanjore. In early times a part of the State belonged to the Chola Kings and the southern part to the Pandya Kings of Madura. Relations with the English began during the Carnatic wars. During the siege of Trichinopoly by the French in 1752 the Tondaiman of the time did good service to the Company's cause by sending them provisions, although his own country was on at least one occasion ravaged as a consequence of his fidelity to the English. In 1756 he sent some of his troops to assist Muhammad Yusuf, the Company's sepoy commandant, in settling the Madura and Tinnevely countries. Subsequently he was of much service in the wars with Haidar Ali. His services were rewarded by a grant of territory subject to the conditions that the district should not be alienated (1806). Apart from that there is no treaty or arrangement with the Raja. His Highness Sri Brihadamba Das Raja Raviagopala Tondaiman Bahadur, the present ruler is a minor. He was installed as Raja on 19-11-28. The administration of the State is carried on by an Administrator. The various departments are constituted on the British India model. The principal food crop is rice. The forests which cover about one seventh of the State contain only small timber. There are no large industries. The State is well provided with roads but Pudukkottai is the only municipal town in the State.

Agent to the Governor-General—Lt Col D M Field

Banganapalle—This is a small State in two detached portions which in the eighteenth century passed from Hyderabad to Mysore and back again to Hyderabad. The control over it was ceded to the Madras Government by the Nizam in 1800. The present ruler is Nawab Meer Fazole Ali Khan Bahadur. The chief food grain is cholam. The Nawab pays no tribute and maintains no military force. The revenue of the State is over 3 lakhs. The Nawab enjoys a salute of 3 guns.

Agent to the Governor-General—Lt-Col D M Field

Sandur—The State is almost surrounded by the District of Bellary. The State is under the political control of the Agent to the Governor General, Madras States. After the destruction of the Empire of Vijayanagar in 1565 the State came to be held by semi-independent chiefs under the nominal sovereignty of the Sultan of Bijapur and in 1728 one of these chiefs, a Poligar of Bedar tribe, was turned out by an ancestor of the present Raja named Siddoji Rao of the Bhosle family of the famous Marhatta Chief Sivaji, they were Senapathies of Sivaji. In Sivaji Rao's time the State came under the Mad-

ras Government and his heirs in perpetuity with full powers. In 1876 the title of Raja was conferred on the Chief as a hereditary distinction. The present ruler is Raja Shrimant Yeshwantrao Hindurao Ghorpade who was invested with full ruling powers in February 1930.

The Raja pays no tribute and maintains no military force. The most important staple crop is cholam. Teak and sandalwood are found in small quantities in the forests.

The minerals of the State possess unusual interest. The hematites found in it are probably the richest ore in India. An outcrop near the southern boundary forms the crest of a ridge 150 feet in height, which apparently consists entirely of pure steel grey crystalline hematite (specular iron) of intense hardness. Some of the softer ores used to be smelted, but the industry has been killed by the cheaper English iron. Manganese deposits have also been found in three places, and during 1911 to 1914 over 223,000 tons of manganese ore were transported by one company.

Agent to the Governor General—Lt Col D M Field

STATES OF WESTERN INDIA

Owing to the large number of States concerned and the interlacing of their territories with neighbouring British districts, the transfer of States under the Bombay Government to direct political relations with the Government of India (which was advocated in the Montagu-Chelmsford Report on the Constitutional Reforms) had been delayed. The first stage of that process, however, was carried out in October, 1924, when a new Residency was created in direct relation with the Government of India comprising the whole of the compact area making up the Kathiawar, Cutch and Palanpur Agencies under the Government of Bombay.

The remaining States in the Bombay Presidency which continued to remain in political relations with the Government of Bombay were transferred to the direct control of the Government of India with effect from the 1st April 1931. The transfer necessitated re-grouping not only of the remaining Bombay States but also of some of the States comprised in the Western India States Agency. All the States and Estates hitherto included in the Mahi Kantha Agency except the Danta State are now in the Western India States Agency. These and the States and Estates comprised in the Banas Kantha Agency except the Palanpur State under the Western India States Agency now form a combined Agency which is designated "Sabar Kantha Agency". The Danta State has been transferred to the Rajputana Agency, so also the Palanpur State which was in the Western India States Agency has been transferred to the Rajputana Agency.

Resident of the First Class and Agent to the Governor General in the States of Western India—

The Honourable Mr. C Latimer, C.S.I., C.I.E., I.C.S.

Judicial Commissioner in the States of Western India—D R Norman, I.C.S.

Kathiawar—Kathiawar is the peninsula lying immediately to the north of Gujarat in the Bombay Presidency. Its extreme length is about 220 miles and its greatest breadth about 165 miles, the area being 23,445 square miles. There are nearly 200 separate States in Kathiawar, which for purposes of administrative convenience is sub-divided into subordinate Agencies known as the Western and Eastern Kathiawar Agencies. The Western Kathiawar Agency comprises the Halal and Sorath Prants, while the Eastern Kathiawar Agency comprises the Prants of Jhalawad and Gohelwad but in whichever of these two Agencies States with Salutes of guns are situated, they are in direct political relations with the Hon'ble the Agent to the Governor General. The history of the British connection with Kathiawar commences from Colonel Walker's settlement of 1807. In 1863, the States in Kathiawar were classified into 7 classes, and although classes have since been abolished, the various jurisdictions still remained graded, as fixed in 1863.

Cutch—Before the creation in October 1924, of the Western India States Agency, the relations of the Cutch Durbar with the Bombay Government were conducted through a Political Agent in charge of the Cutch Agency, with Headquarters at Bhuj. The Cutch Agency and the appointment of the Political Agent have since been abolished and the State of Cutch is in direct relations with the Hon'ble the Agent to the Governor-General in the States of Western India.

Sabar Kantha Agency—As stated above, this is a new group comprising the States and Estates in the old Banas Kantha Agency and States and Estates in the old Mahi Kantha

Agency except the Danta State. Before the year 1925 the Panna Kantha Agency was known as the Palampur Agency when it also comprised the First Class States of Palampur and Radhanpur. Of these two States Palampur is now in direct political relationship with the Government of India through the Honourable the Agent to the Governor General in Rajputana and the Honourable the Agent to the Governor General in the States of Western India. The State of Idar which was included in the old Mahil Kantha Agency is also in direct political relationship with the Government of India through the Honourable the Agent to the Governor General in the States of Western India, so also the full powered State of Bhavnagar. The group comprising the remaining minor States, 1st class and Talukas which were included in the old Panna Kantha Agency under the Western India States Agency and the old Mahil Kantha Agency under the Government of Bombay has been named the Sabar Kantha Agency and is in charge of a Political Agent who is subordinate to the Honourable the Agent to the Governor General in the States of Western India.

Bhavnagar—This State lies at the head and west side of the Gulf of Cambay. The Gohel Rajputs, to which tribe the Ruler of Bhavnagar belongs are said to have settled in the country about the year 1260, under Sajakji from whose three sons—Ranoji, Srangji and Shahji—are descended respectively the rulers of Bhavnagar, Lathi and Palitana. An intimate connexion was formed between the Bombay Government and Bhavnagar in the eighteenth century when the ruler of that State took pains to destroy the pirates which infested the neighbouring seas. The State was split up when Gujarat and Kathiawar were divided between the Peshwa and the Gaekwar, but the various claims over Bhavnagar were consolidated in the hands of the British Government in 1807. The State pays an annual tribute of Rs 1,28,000 to the British Government, Rs 3,581-8-0 as Peshkashi to Baroda, and Rs 22,858 as Zoratalbi to Junagadh. His Highness Maharaja Krishna Kumarsinhji succeeded to the *gadi* on the death of his father, Maharaja Sir Bhavsinhji, K.C.S.I. on 17th July 1919, and was invested with full powers on 18th April 1931. The State Council consists of Sir Prabhashankar D. Pattani, K.C.I.E., as President. The other members of the Council are Dewan Bahadur T. K. Trivedi and Khan Bahadur S. A. Gograwala, M.A., LL.B., Barrister-at-Law. One noteworthy feature in the administration is the complete separation of judicial from executive functions and the decentralisation of authority is another. The authority and powers of all the Heads of Departments have been clearly defined, and each within his own sphere is independent of the others being directly responsible to the Council.

The chief products of the State are grain, cotton, sugar cane and salt. The chief manufactures are oil, copper and brass vessels and cloth. The Bhavnagar State Railway is 307 miles in length. The capital of the State is the town and port of Bhavnagar, which has a good and safe harbour for shipping and carried on an extensive trade as one of the principal

markets and harbours of export for cotton in Kathiawar. Bhavnagar supports 270 State Lancers and 250 State Infantry.

Population (in 1931) was 500,274 of whom 86 per cent were Hindus and 9 per cent Mahomedans. The average income for the last five years was Rs 1,14,71,796, and the average expenditure Rs 1,11,21,783.

Dhrangadhra State is a State of the First Class in Kathiawar with a population of nearly one lakh and an area of 1,167 square miles exclusive of the Dhrangadhra portion of the Runn of Cutch. The ruler of Dhrangadhra is the head of the Thala family of Rajputs, originally called the Makvanas. This Rajput clan is of great antiquity having migrated to Kathiawar from the North establishing itself first at Patra in the Ahmedabad District thence moving to Halvad and finally settling in its present seat. Being the guardians of the North Eastern marches of Kathiawar they had to suffer repeatedly from the successive invasions of the Mahomedans into that Peninsula but after suffering the various vicissitudes of war they were confirmed in their possession of Halvad, its surrounding territories and the salt pans attached thereto by an Imperial Firman issued by Emperor Aurangzeb. The States of Wanamor, Timbal, Wadhwan, Chuda, Saxla and Than-Iskhar are offshoots from Dhrangadhra. His Highness Maharaja Shri Sir Gharashyamsinhji, K.C.S.I., Maharaja Raj Sahib, is the ruler of the State and the titular head of all the Thalis. The administration is conducted under the Maharaja's directions by the Dewan Raj Rana Shri Mansinhji S. Thala, C.I.E. The soil being eminently fit for cotton cultivation the principal crops are long stapled cotton and cereals of various kinds. Excellent building and ornamental stone is quarried from the hills situated within the State. Wadagara Salt of an excellent quality with Magnesium Chloride and other bye-products of salt are also manufactured in the State Salt Works at Kuda which offer practically inexhaustible supplies for their manufacture. To utilize these valuable resources, the State has recently built and put into operation a huge factory in Dhrangadhra, known as the Shri Shakti Alkali Works, for the manufacture on a large scale of Soda Ash, Caustic Soda and Soda Bicarb as bye-products of salt, and these are finding a ready market all over India. The capital town is Dhrangadhra, a fortified town, 75 miles west of Ahmedabad.

Dhrangadhra State owns the Railway from Wadhwan Junction to Halvad, a distance of 40 miles, which is worked by the B. B. & C. I. Railway. An extension of this line to Mahuva is under contemplation. A railway siding has been laid from Dhrangadhra to Kuda—a distance of 11 miles—to facilitate the salt traffic.

Gondal State—The Ruling Prince of Gondal is a Rajput of the Jadeja stock with the title of H. H. Maharaja Thakore Sahib, the present Ruler being H. H. Shri Bhagwat Singhji, G.C.I.E. The early founder of the State Kumbhoji I, had a modest estate of 20 villages. Kumbhoji II, the most powerful Chief of the House, widened the territories to almost their present limits by conquest, but it was left to the present ruler to develop

its resources to the utmost, and in the words of Lord Reay, Governor of Bombay, by its "importance and advanced administration to get it recognised as a First Class State. The State pays a tribute of Rs 1,10,721. The chief products are cotton, groundnuts and grain and the chief manufactures are cotton and woollen fabrics and gold embroidery. Gondal has always been pre-eminent amongst the States of its class for the vigour with which public works have been prosecuted, and was one of the earliest pioneers of railway enterprise in Kathiawar, having initiated the Dhasa-Dhoraji line, it owns the Dhasa-Jam Jodhpur section called the Gondal Railway and manages it along with the Jetalsar-Rajkot Railway and H H Gackwad's Khijadiya-Dhari line, it subsequently built the Jetalsar-Rajkot Railway in partnership with other Native States in Kathiawar. There are no export and import dues, the people being free from taxes and dues. Comparatively speaking Gondal stands first in Kathiawar in respect of the spread of education. Compulsory female education in the State has been ordered by His Highness. Rs 25 lakhs have been spent on irrigation tanks and canals, water supply and electricity to the town of Gondal. The Capital is Gondal, a fortified town on the line between Rajkot and Jetalsar.

Junagadh State—A first class State under the Western India States Agency and lies in the South-Western portion of the Kathiawar Peninsula between 24°-44' and 21°-53' North latitude, 80° and 72° East longitude with the Halar division of the province as its northern boundary and Gohilwad Prant to its east. It is bounded on the south and west by the Arabian Sea. The State is divided into 13 Mahals. It has 16 ports of which the principal are Veraval and Mangrol. The principal rivers in the State are the Bhujlar, Uben, Ozat, Hiran, Saraswati, Machhundri, Singoda, Meghal, Vrajmi, Raval and Sabli. The principal town of Junagadh, which is one of the most picturesque towns in India, is situated on the slope of the Girnar and the Datar Hills, while in antiquity and historical interest it yields to none. The Upperkote or old citadel contains interesting Buddhist caves and the whole of the ditch and neighbourhood is honey-combed with caves of their remains. There are a number of fine modern buildings in the town. The famous Asoka inscription of the Buddhist time carved out on a big bolster of black granite stone is housed at the foot of the Girnar Hill, which is sacred to the Jains, the Shivaites, the Vaishnavites and other Hindus. To the south east of the Girnar Hill lies the extensive forest of the Gir comprising 494 square miles, 823 acres and 10 gunthas. It supplies timber and other natural products to the residents of the State and the neighbouring districts and is unique as the sole stronghold of the Indian lion. The area of the State is 3,337 square miles and the average revenue amounts to about Rs 80,00,000. The total population according to the census of 1931 is 545,152. Until 1472 when it was conquered by Sultan Mahomed Begra of Ahmedabad Junagadh was a Rajput State ruled by Chiefs of the Chuda Sama tribe. During the reign of the Emperor Akbar it became a dependency of Delhi under the immediate autho-

ritv of the Moghal Viceroy of Gujarat. About 1735 when the representatives of the Moghals had lost his authority in Gujarat, Sherkhan Babi, the ancestor of the present Babi Ruler expelled the Moghal Governor, and established his own rule. The ruler of Junagadh first entered into engagements with the British Government in 1807. The principal articles of production in the State are cotton, bajri, juwar, sesamum, wheat, rice, sugarcane, cereals, grass, timber, stone, castor seed, fish, country tobacco groundnuts, cocoanuts, bamboos, etc., while those of manufacture are ghee, molasses, sugar candy, copper, and brassware, dyed cloth, gold and silver embroidery, pottery, hardware, leather, bamboo furniture, etc. The State pays a tribute of Rs 28,394 annually to the Paramount Power and Peshkashi of Rs 37,210 to His Highness the Gackwar, on the other hand, the State of Junagadh receives a tribute styled Zortalbi amounting to Rs 92,421 from not less than 134 States and Talukas, a relic of the day of Mahomedan supremacy. The State maintains State forces consisting of Lancers and the Mahabat Khanji Infantry, the sanctioned strength of the former being 173 and of the latter 224 inclusive of Bag pipe Band.

The Ruler bears the title of Nawab. The present Nawab is His Highness Sir Mahabat Khan III, G C I E, K C S I, and is the ninth in succession and seventh in descent from His Highness Bahadurkhanji I, the founder of the Babi Family of Junagadh in 1735 A D. His Highness the Nawab Sahab was born on 2nd August 1900 and succeeded to the *gadi* in 1911, visited England in 1913-14, received his education at the Mayo College, Ajmer, and has been invested with full powers since March 1920. His Highness the Nawab Sahab is the Ruler of the Premier State in Kathiawar, ranks first amongst the Chiefs of Kathiawar, exercising plenary powers and enjoys a salute of 15 guns personal, 13 permanent and 15 local within the territorial limits of the Junagadh State. Languages spoken—Gujarati and Urdu.

Ruler—His Highness Sir Mahabat Khanji Rasulkhanji, G C I E, K C S I.

Heir-Apparent—Shahzada Mahomed Dilwarkhanji, 2nd Shahzada Mahomed Himatkhanji.

President of the Council—P R Cadell, C S I, C I R.

Navanagar State, on the southern shore of the Gulf of Cutch, has an area of 3,791 square miles. The Maharaja of Navanagar is a Jadeja Rajput by caste, and belongs to the same family as the Rao of Cutch. The Jadejas originally entered Kathiawar from Cutch, and dispossessed the ancient family of Jethwas then established at Ghumli. The town of Jamnagar was founded in 1540. The present Jam Sahab is Captain His Highness Maharaja Jam Shri Digvijayasinhji who succeeded in April 1933. The principal products are grain, cotton and oil seeds, shipped from the ports of the State. A small pearl fishery lies off the coast. The State pays a tribute of Rs 1,20,093 per annum jointly to the British Government, the Gackwar of Baroda and Zortalbi to the Nawab of Junagadh. The State maintains two squadrons of Navanagar State Lancers and 1½ company

of the State Infantry The Capital is Jamnagar, a flourishing place, nearly 4 miles in circuit, situated 5 miles east of the port of Bell. Population 4,09,192 Revenue nearly Rs. 1,09,00,000

DEWAN —Khu Bahadur Merwanji Pestonji B A, L L B

Revenue Secretary

Political Secretary

General Secretary

Gokulbhai B Desai,
Bar at Law

Military Secretary —Lt Col R K Himmat singhji

Cutch—The State is bounded on the north and north-west by Sind, on the east by the Palanpur Agency, on the south by the Peninsula or Kathiawar and the Gulf of Cutch and the south west by the Indian Ocean. Its area, exclusive of the great salt marsh called the Rann of Cutch, is 7,616 square miles. The capital is Bhuj, where the ruling Chief (the Maharaja) His Highness Maha Rao Sri Khengarji Savai Bahadur, GCSI, GCIE, resides. From its isolated position, the special characteristic of its people their peculiar dialect, and their strong feeling of personal loyalty to their ruler, the peninsula of Cutch has more of the elements of a distinct nationality than any other of the dependencies of Bombay. The earliest historic notices of the State occur in the Greek writers. Its modern history dates from its conquest by the Sind tribe of Samma Rajputs in the fourteenth century. The section of the Sammas forming the ruling family in Cutch were known as the Jadejas or 'children of Jada'. The British made a treaty with the State in 1815. There is a fair proportion of good arable soil in Cutch, and wheat, barley and cotton are cultivated. Both iron and coal are found but are not worked. Cutch is noted for its beautiful embroidery and silverwork and its manufactures of silk and cotton are of some importance. Trade is chiefly carried by sea. The ruling chief is the supreme authority. A few of the Bhayats are invested with jurisdictional powers in varying degrees in their own estates and over their own ryots. A notable fact in connection with the administration of the Cutch State is the number and position of the Bhayat. These are Rajput nobles forming the brotherhood of the Rao. They were granted a share in the territories of the ruling chief as provision for their maintenance and are bound to furnish troops on an emergency. The number of these chiefs is 137, and the total number of the Jadeja tribe in Cutch is about 16,000. The British military force having been withdrawn from Bhuj, the State now pays Rs 82,257 annually as an Anjar equivalent to the British Government. The military force consists of about 1,000 in addition to which, there are some irregular infantry, and the Bhayats could furnish on requisition a mixed force of four thousand.

Porbandar—The Porbandar State on the Western Coast of the province of Kathiawar comprises an area of 642½ square miles and has a population of 1,15,741 souls

according to the Census of 1931. The capital of the State is Porbandar, a flourishing port having trade connections with Java, Burma, Persian Gulf, Africa and the important Continental Ports. The State has its own Railway. The well known Porbandar stone is quarried in the Barda Hills near Adityana and is largely exported to important places in as well as outside India. Porbandar Ghee (butter) has also a reputation of its own and is largely exported to Africa. The Indian Cement Factory of Messrs Lari & Sons was established at Porbandar in 1912. It manufactures Ganapati Brand Portland cement which has stood keen competition. Among more recent industries may be mentioned the establishment of the Nadir Salt Works and Distemper and Paints manufacture. The State maintains a Military Force.

His Highness Maharaja Rana Sahab Shri Sir Natwarsinghji Bahadur, KCSI, is the present Ruler of the State. Born on the 30th June 1901, His Highness the Maharaja was educated at the Rajkumar College, Rajkot, where he distinguished himself both in studies and sports. His Highness ascended the Gadi on the 26th January 1920 and was married next month to Kunwari Shri Rupaliba Sahab, MBR, of Limbdi. His Highness belongs to the ancient Rajput clan of the Jethwas, the earliest settlers in Western India and enjoys a salute of 13 guns. His Highness led the All India Cricket Team to England in 1932. The Porbandar State ranks fourth among the States of Western India.

Radhanpur is a first class State, with an area of 1,150 square miles, which is held by a branch of the illustrious Babi family, who since the reign of Humayun have always been prominent in the annals of Gujarat. The present Ruler is His Highness Nawab Talal ud-dikhani Bishulakhhanji Babi Nawab Sahab of Radhanpur. The State maintains a Police force of 209. The principal products are cotton, wheat and grain. The capital is Radhanpur town, a considerable trade centre for Northern Gujarat and Cutch. Sami has a cotton press and 3 ginning factories. There is one ginning factory at Munjpur, one at Lolada and one at Sankeshwar which is a great centre of Jain pilgrimage all the year round. Gotarka, Dev and Trakod Loti are also the principal places of pilgrimage for Mahomedans, Vaishnavas and Brahmans, respectively.

There are several ancient monuments in the State, viz., Fatehkote at Radhanpur, Jhalore's Tebr at Subarpure, Loteswara Mahadev at Loti, Sankheshwari temple at Sankheshwara, Waghel tank at Waghel, Varanatha place at Waghel, Tateshwara Mahadev at Fatehpur, Rajapura Bhotwara, Old Masjid at Munjpur, Place of Ashan at Gotarka, Mahabali Pir's Dargah at Gotarka and Nilkantha Mahadev at Kunwar.

There is also an Anath Ashram for the poor known as 'The Hussembakhte Saheb's Mohobat Vilas'.

His Highness the Nawab Sahab Bahadur has established a Bank named 'Vadhar Bank' to lend money to cultivators and others on easy terms, and thus save them from the clutches of the money lenders.

Idar—Idar is a First Class State with an area of 1,669 square miles and an average revenue of about 20 lakhs. The present Ruler of Idar H. H. Maharaja Himatsinghji is a Rajput of the Rathod clan. He was born in 1899 A.D. and ascended the gadi in 1931 on the demise of His late Highness Maharaja Sir Dowlatsinghji. His Highness accompanied His late Highness Lt. Col. Sir Dowlatsinghji to Europe when the latter went to attend the Coronation of His Majesty the King Emperor in London and acted as Page to his Imperial Majesty at the Coronation Durbar held at Delhi in 1911. The subordinate feudatory Jagirdars are divided into three classes. The Jagirdars comprised in the class of Bhavats are cadets of the Ruling House to whom grants have been made in maintenance or as a Tiwarak. Those known as Sardar Pattawats are descendants of the military leaders who accompanied Anandsingh and Rai Singh, the founder of the present Marwar dynasty when they took possession of the State in the first quarter of the eighteenth century and to whom grants of land were made by Maharaja Anandsingh in 1741 A.D. on condition of military service. In the case of

the Bhoomias are included all subordinate feudatories who were in possession of their Pattas prior to the advent of the present Marwar dynasty. The pattas they hold were acquired by their ancestors by grant from the former Rao Rulers of the State. The Maharaja receives Rs 52,427 annually on account of Kulehdi and other Raj Haks from his subordinate Sardars the tributary talukas of the Mahi Kantha Agency and others and pays Rs 30,340 as Ghasedana to Gackwar of Baroda through the British Government.

Vijaynagar—The State has an area of 135 square miles with a population of 5,858 and an annual revenue of about Rs 57,630. The Ruler is Rathod Rajput. His ancestors were the Rulers of Idar but on being driven from that place established their rule in Polo. The present Chief is Rao Shri Humirsinghji Hindusinghji. He was born on 1st January 1904 and succeeded to the Gadi in 1916. The Ruler has no salute but on account of the historic importance of the family he enjoyed rank above the Ruler of the salute State of Danta in the old Mahi Kantha Agency.

GUJARAT STATES AGENCY AND BARODA RESIDENCY.

Consequent upon the establishment of direct relations between the Government of India and the Bombay States since April 1913 many States and Estates which were previously included in the various Political Agencies of the Bombay Government have now been included in a newly formed Political Agency of the Government of India designated the Gujarat States Agency. The charge of this new Agency has been added to the charge of the Resident at Baroda, who is now known as the A.G.G. for the Gujarat States and Resident at Baroda. The Political Agencies thus amalgamated were the Rewa Kantha Agency, the Kaira Agency, the Surat Agency, the Nisik Agency and the Thana Agency.

The following are the full powered salute States now in direct political relations with the Government of India through the Agent to the Governor General for the Gujarat States and Resident at Baroda—

- | | |
|-------------------|--------------------------|
| (1) Bilasnor | (Old Rewa Kantha Agency) |
| (2) Bansda | (Old Surat Agency) |
| (3) Baria | (Old Rewa Kantha Agency) |
| (4) Baroda | |
| (5) Cambay | (Old Kaira Agency) |
| (6) Chhoti Udepur | (Old Rewa Kantha Agency) |
| (7) Dharampur | (Old Surat Agency) |
| (8) Jawhar | (Old Thana Agency) |
| (9) Lunawada | (Old Rewa Kantha Agency) |
| (10) Rajpipla | (Old Rewa Kantha Agency) |
| (11) Sachin | (Old Surat Agency) |
| (12) Sant | (Old Rewa Kantha Agency) |

The Headquarters of the Agency are at Baroda and consist of—

Agent to the Governor General, Gujarat States, and Resident at Baroda—Lieutenant Colonel J. L. R. Weir, C.I.E.

Secretary to the Agent to the Governor General, Gujarat States and Resident at Baroda—Major C. W. L. Harvey M.C., I.A.

Indian Assistant to the Agent to the Governor General, Gujarat States and Resident at Baroda—Mr. A. W. De Cruz.

Bilasnor—This State has an area of 189 square miles, a population of 52,525, and an annual revenue of about Rs 2½ lakhs. The Ruling Prince belongs to the Babi Family. The State pays a tribute of Rs 9,766.98 to the British Government and Rs 3,077.11 to the Baroda Government. The name of the present Ruler is Babi Shri Jamitkhanji Manvar-khanji, Nisib of Bilasnor. He was born on the 10th November 1894 and succeeded to the gadi in 1899. The Ruler of the State received in 1890 a Sanad guaranteeing succession according to Muhammadan law in the event of failure of direct heirs. The Nisib is a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns.

Bansda—This State has an area of 215 square miles a population of 48,807 and an annual revenue of about Rs 7½ lakhs. The Ruler of Bansda are Solanki Rajputs of the Lunar Race and descendants of the Great Siddhij Jaysing. The present Ruler Maharajal Shri Indrasinghji was born on 16th February 1888, and succeeded to the gadi in September 1911. The Rulers of the State has received a Sanad guaranteeing succession to an adopted heir in the event of failure of direct heirs. He is a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns.

Baria—This State has an area of 813 square miles with a population of 159,429 and is situated in the heart of the Panchmahals District. The capital Deygad Baria is reached by the Baria State Railway from Piplod Station on the B. B. & C. I. Railway at a distance of 10 miles. The average revenue of the State is about 12 lakhs. The Ruler, Major His Highness Maharaj Sir R. Jaysinhji K. C. S. I. is the direct descendant of the Great House of Khichi Chowhan Rajputs who ruled over Gujarat for 244 years with their capital at Chumprar, enjoying the proud title of Pivapitis. The State pays no tribute either to the British Government or to any other Indian State. His Highness served in France and Flanders in the Great European War and in the Afghan War, 1919. He is a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns and a personal salute of eleven guns.

Cambay—This State has an area of 350 square miles, a population of 87,761 and an annual revenue of about Rs. 102 lakhs. The founder of the Ruling family was Mirza Jafar Nizam-Daulah Nomin Khan I, the last but one of the Muhammadian Governors of Gujarat. The present Ruler is His Highness Mirza Hussain Yar Khan Saheb. He was born on the 16th May 1911, succeeded to the gadi on the 21st January 1915 and was invested with ruling powers on the 13th December 1930. His Highness is a member of the Chamber of Princes and enjoys a dynastic salute of 11 guns.

Chhota Udepur—This State has an area of 890 square miles, a population of 1,44,640 and an annual revenue of about Rs. 143 lakhs. The Ruling family belongs to the Khichi Chauhan Rajput clan and claims descent from the last Patil Raja of Pivagadh or Chumprar, the State being founded shortly after the fall of that fortress in 1484. The name of the present Ruler is Maharaj Sir Natwarsinhji. He was born on the 16th November 1906 and succeeded to the gadi on the 29th August 1923 on the death of his father. He is a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns.

Dharampur—This State has an area of 704 square miles, a population of 1,12,051 and an annual revenue of about Rs. 12 lakhs. The Rulers of Dharampur trace their descent from Ramchandrji of Hindu Mythology. They belong to the Solar Sisodia Rajputs dynasty. The present Raja, His Highness Maharaj Shri Vijaydevji Mohandevji, was born on the 3rd December 1884 and succeeded to the gadi on the 26th March 1921. His Highness is a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns and a personal salute of 11 guns.

Jawhar—This State is situated to the North of the Thana District of the Bombay Presidency on a plateau above the Konkan plain. It has an area of 310 square miles, a population of 57,288 and an average annual revenue of about Rs. 5½ lakhs. Up to 1924, the period of the first Mohammedan invasion of the Deccan, Jawhar was held by a Varhi, not a Koli Chief. The first Koli Chief obtained his footing in Jawhar by a device similar to that of Dido when he asked for and received as much land

as the hide of a bull would cover. The Koli Chief cut a hide into strips, and thus enclosed the territory of the State. The present Chief, Raja Pitangshri alias Yeshwantrao Vikramshri, is a minor and the State is at present under minority administration. The Raja is entitled to become a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns.

Lunawada—The State has an area of 388 square miles, a population of 95,162 and an annual revenue of about Rs. 5½ lakhs. The Rulers of Lunawada belong to the historic Solanki clan of Rajputs claiming their descent from the famous Siddhaji Jaysinh of Anhilwad (Gujarat). Besides having fine patches of good agricultural land, the State contains a considerable forest area yielding rich timber. The present Raja, Maharaj Shri Virbhudrasinhji, was invested with full powers on 2nd October 1930. He is a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns.

Rajpipla—This important State lies to the south of the Narmada. It has an area of 1,517½ square miles, a population of 206,114 and an average annual revenue of about Rs. 24½ lakhs. The lands are rich and very fertile and, except for a few forest clad hills, are suitable and valuable for cultivation in large quantities in the south-east talukas. The family of the Maharaja of Rajpipla, Major H. H. Maharaj Shri Sir Vijaysinhji, K. C. S. I., is said to derive its origin from a Rajput of the Gohel clan. Cotton is the most important crop in the State. In the hills there are valuable teak forests. The capital is Rajpipla which is connected with Ankleshwar by railway built by the State. His Highness is a member of the Chamber of Princes and enjoys a dynastic salute of 13 guns.

Sachin—This State has an area of 49 square miles, a population of 22,125 and an annual revenue of about Rs. 1½ lakhs. The ancestors of the Nawab of Sachin were the Rulers of Janjira. The founder of the Sachin family was Abdul Karim Yikut Khan commonly called Balu Miya. In 1740 on the death of his father Abdul Karim, (Nawab of Janjira), the Chiefship was seized by Sidi Jawhar and Balu Miya fled to Poona where he sought the protection of Nizam Farnavis, who managed to secure for him a tract of land near Surat then estimated to yield Rs. 75,000 a year. Balu Miya was granted the hereditary title of Nawab by the Emperor of Delhi. The present Ruler is Nawab Mohamed Hyder Khan who was born on the 11th September 1909 and succeeded to the gadi in November 1930. He is a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns.

Sant—This State has an area of 301 square miles, a population of 83,538 and an annual revenue of about Rs. 5½ lakhs. The Ruling family belongs to the Mithavati Branch of the Puar or Parmar Rajputs. The Rulers used to pay a tribute of 5,884 9 10 to Scindia. This tribute is now paid by the State to the British Government. The present Ruler, Maharaj Shri Jorawarsinhji Pratapsinhji was born on 24th March 1881 and succeeded to the gadi in 1896. He is a member of the Chamber of Princes and enjoys a dynastic salute of 9 guns.

Rewa Kantha Agency—Including the Surgana State and the Dangs

This Agency is a subordinate Political Agency of the Gujarat States Agency. It is comprised of all the non salute States and Estates of the Old Rewa Kantha Agency, the State of Surgana, previously in the Nasik Agency, and the petty states known as the Dangs, previously in the Surat Agency.

Rewa Kantha means the district or province situated on the banks of the river Rewa or Narmada or Narbada. This river is held in high veneration among the Hindus especially in the Bombay Presidency.

All the States comprised in the Province of Rewa Kantha are not on the banks of Narbada, for some of the Northern States, *re*, Kadanas and the States in Pindur Mewas are on the banks of the Mahi river. In fact the Rewa Kantha Agency comprises territories watered both by the Rewa and Mahi Rivers.

The population consists of the following main classes: Hindus, Jains, Muslims, Animistic Bhils, Dhankas, Kolis and Naikdas.

Surgana—Is situated on the borders of the Nasik District.

The **Dangs** consist of a tract of country between the Sahyadris and the Surat District which is parcelled out among 14 petty Chiefs. Of these 13 are Bhils and 1 is Kokani.

The headquarters of the Agency, which is situated at the Baroda Residency in view of the fact that the Secretary to the Agent to the Governor General, Gujarat States and Resident at Baroda is also *ex officio* Political Agent of this Agency, consist of—

Political Agent, Major C W L Harvey, M C, I A

Deputy Political Agent—Mr M B Mehta

Assistant Political Agent for the Dangs—Mr E G Simpson, I R S

Many of the States and Estates are small and only a few enjoy restricted jurisdictional powers. The four Chiefs of Kadana, Bhaderwa, Surgana and Jambughoda are however, larger and more important, the first three named being included in the list of electorates for representative members of the Chamber of Princes.

DECCAN STATES AGENCY AND KOLHAPUR RESIDENCY

This Agency which was formed in consequence of the transfer of the Bombay States to the direct control of the Government of India includes the following States—

Kolhapur	Miraj (Senior)
Janjira	Miraj (Junior)
Savantvadi	Kurandwad (Senior)
Mudhol	Kurandwad (Junior)
Sangli	Ramdurg
Bhor	Aundh
Jamkhandi	Akalkot
Phaltan	Savanur
Jath	Wadi Estate

The above States have been brought into political relations with the Government of India through the Agent to the Governor-General for the Deccan States and Resident at Kolhapur whose headquarters are at Kolhapur.

Agent to the Governor-General for the Deccan States and Resident at Kolhapur—Lieutenant-Colonel H Wilberforce-Bell C I E

Kolhapur Agency—Kolhapur is a State with an area of 3,217 square miles and population of 9,57,137. Subordinate to Kolhapur are nine feudatories, of which the following four are important: Vishalgirh, Bavda, Kagal (senior), and Ichalkaranji. The ruling house traces its descent from a younger son of Shivaji, founder of the Maratha power. The prevalence of piracy from the Kolhapur port of Malvan compelled the Bombay Government to send expeditions against Kolhapur in 1765, and again in 1792, when the Raja agreed to give compensation

for the losses which British merchants had sustained since 1785, and to permit the establishment of factories at Malvan and Kolhapur. Internal dissensions and wars with neighbouring States gradually weakened the power of Kolhapur. In 1812 a treaty was concluded with the British Government, by which, in return for the cession of certain ports, the Kolhapur Raja was guaranteed against the attacks of foreign powers, while on his part he engaged to abstain from hostilities with other States, and to refer all disputes to the arbitration of the British Government. The principal articles of production are rice, jowar and sugar-cane and the manufactures are coarse cotton and woollen cloths, pottery and hardware. The State pays no tribute, and supports a military force of 692. The nine feudatory estates are administered by their holders except in the case of two whose holders are minors. Kolhapur proper is divided into seven pethas or talukas and three mahals and is managed by the Maharaja, who has full powers of life and death. The Madras and Southern Mahratta Railway passes through the State and is connected with Kolhapur City by a line which is the property of the State. The present Ruler is Lt-Col His Highness Maharaja Shri Sir Rajaram Shahu Chhatrapati, GCSI, GCIE. He has a dynastic salute of 19 guns.

Janjira—This State is situated to the South of the Kolaba District of the Bombay Presidency. The ruling family is said to be descended from an Abyssinian in the service of one of the Nizam Shahi Kings of Ahmednagar at the end of the fifteenth century. The most noticeable point in its history is the successful resistance that it alone, of all the States of Western India, made against the determined attacks of the

Marathas The British, on succeeding the Marathas as masters of the Konkan, refrained from interfering in the internal administration of the State. The chief is a Sunni Mahomedan, by race a Sidi or Abyssinian, with a title of His Highness the Nawab. He has a *sanad* guaranteeing succession according to Mahomedan law and pays no tribute. Till 1868 the State enjoyed singular independence, there being no Political Agent, and no interference whatever in its internal affairs. About that year the maladministration of the chief, especially in matters of police and criminal justice, became flagrant, those branches of administration were in consequence taken out of his hands and vested temporarily in a Political Agent. The last ruler, H. H. Nawab Sidi Sir Ahmed Khan, G. O. R., died on 2nd May 1922, and was succeeded by his son His Highness Sidi Muhammad Khan, born on the 7th March 1914. The area of the State is 379 square miles, and the population 1,10,368. The average revenue is 8 lakhs, including that derived from a small dependency named Jafferabad in the south of Kathiawar under the Western India States Agency. The State maintains an irregular military force of 243. The capital is Murud on the main land, the name of Janjira being retained by the island fort opposite. The Nawab is entitled to a dynastic salute of 11 guns. In recognition of services rendered in connection with the war the last ruler's salute was raised on the 1st January 1918 to 13 guns personal and 13 guns local on the 1st January 1921.

Sawantwadi—This State has an area of 930 square miles and population of 230,589. The average revenue is Rs 6,33,000. It lies to the north of the Portuguese territory of Goa, the general aspect of the country being extremely picturesque. Early inscriptions take the history of the State back to the sixth century. So late as the nineteenth century the ports on this coast swarmed with pirates and the country was very much disturbed. The present Ruler is Major His Highness Raje

Badadur Shrimant Khem Sawant *alias* Baji Sahab Bhonsle, Raja of Sawantwadi. Rice is the principal crop of the State, and it is rich in valuable teak. The sturdy Marathas of the State are favourite troops for the Indian Army and supply much of the immigrant labour in the adjacent British districts. The Capital is Sawantwadi, also called Sundar Wadi or simply Wadi. The Raja enjoys a dynastic salute of 9 guns and a permanent local salute of 11 guns.

Mudhol—The State has an area of 368 square miles, a population of 62,860 and an annual revenue of about Rs 5,61,000. The present Ruler is Lieutenant Raja Sir Mulojirao Venkatrao *alias* Nani Sahab Ghorpade, K. C. I. L. He was born in 1881 and succeeded to the *gadi* in 1900 when he was a minor. He was invested with Ruling powers in 1904. He enjoys a dynastic salute of 9 guns and is a Member of the Chamber of Princes.

Sangli—The State has an area of 1,136 square miles, a population of 2,58,112 and an annual revenue of Rs 15,37,000. The founder of the family was Haribhat who rose to distinction during the rule of the Peshwas. The present Ruler Lieutenant (Honorary) His Highness Raja Sir Chintamanrao Dhundirao *alias* Appasaheb Patwardhan, K. C. I. E., was born on the 14th February 1890 and succeeded to the *gadi* in 1901 on the death of his adoptive father Dhundiraj Chintamanrao Patwardhan. His Highness has been granted the hereditary title of Raja. He enjoys a dynastic salute of 9 guns and a personal salute of 11 guns.

Bhor—The State lies in the Western Ghats in wild and mountainous country. It has an area of 925 square miles, a population of 1,41,516 and an annual revenue of about Rs 6½ lakhs. The present Chief Shrimant Raghunathrao Shankarrao *alias* Babasaheb Pant Sachiv, was born on 20th September 1878. He succeeded to the *gadi* in 1922. The honour of receiving a dynastic salute of 9 guns was conferred on him in 1927.

The following are the particulars of the remaining States grouped in this Agency —

State	Name of Chief	Area	Population	Revenue	Tribute to British Government
				Rs	Rs
Akalot	Shrimant Mherban Vijayramrao Fatesinhrao Raje Bhonsle Raje Sahab of	408	92,636	7,13,000	14,592
Aundh	Meherban Bhaurao Shrinivasrao <i>alias</i> Balisaheb Pant Pratimdh	501	76,507	4,15,000	No tribute
Jamkhandi	Meherban Shankarrao Parshuramrao <i>alias</i> Appasaheb Patwardhan	524	1,14,282	8,27,000	20,841
Jath	Shrimant Vijayramrao Ramrao <i>alias</i> Bibisaheb Dafie	980	91,102	3,42,000	11,247

The following are the particulars of the remaining States grouped in this Agency —*contd*

State	Name of Chief	Area	Population	Revenue	Tribute to British Government
				Rs	Rs
Kurundwad (Senior)	Meherban Chuntamrao r a o Bhulechandrao <i>alias</i> Balasahab Patwardhan	182	41,251	2,26,000	9,619
Kurundwad (Junior)	(1) Meherban Ganpat r a o Madhavrao <i>alias</i> Bapusaheb Patwardhan				
	(2) Meherban Trimbakrao Harihar <i>alias</i> Abh sahab Patwardhan	116	39,587	1,94,000	No tribute
Miraj (Senior)	Meherban Sir Gangadharrao Ganesh <i>alias</i> Balasahab Patwardhan, K C I L	342	93,957	5,27,000	12,558
Miraj (Junior)	Meherban Madhavrao Hari har <i>alias</i> Babasaheb Pat wardhan	196	40,686	3,23,000	6,413
Phaltan	Captain Meherban Malojirao Mudhojirao Naik Nimbalkar	397	58,761	4,51,000	9,600
Ramdurg	Meherban Ramrao Venkat rao <i>alias</i> Kasesahab Bhavce	169	35,401	36,000	No tribute
Savanur	Major Meherban Nawab Ab dul Majidkhan Sahab Dulur Jung Bahadur	70	20,320	2,35,000	Do
Wadi Estate	Meherban Ganpatrao Gang adharrao <i>alias</i> Dajasaheb Patwardhan Jahagirdar	12	1,704	8,000	Do

UNDER THE GOVERNMENT OF BENGAL.

Cooch Behar—This State, which at one time comprised almost the whole of Northern Bengal, Assam and a part of Bhutan known as the Duars and formed part of the famous kingdom of Kamrup, is a low lying plain in North Bengal. It has an area of 1,318 square miles and a population of 5,90,866. On the demise of the late Ruler His Highness Maharaja Jitendra Narayan Bhup Bahadur in December 1922 in England, his eldest son Yuvaraja Jagaddipendra Narayan (born on December 15, 1915) succeeded to the throne at the age of 7. His Highness the Maharaja Bhup Bahadur belongs to the Kshatriya Varma of Kshatriya origin. His Highness the Maharaja Bhup Bahadur has three daughters. Maharajkumari Ha Devi (aged 19)

Ayesha Devi (aged 14) and Menaka Devi (aged 13) and one brother Maharajkumar Indrajitendra Narayan (aged 15). Her Highness the Maharani Sahiba is Regent of the State and the administration of the State is conducted by a Council of Regency composed of Her Highness the Regent, *President*, Lt Col K A G. Evans-Gordon, I A, *Vice President* with Sd Satindra Mohan Sen Gupta B L, Revenue Officer, Sd Satindra Nath Guha, B L, Civil and Sessions Judge, and Sd Dineshchandra Chatterjee, Civil Surgeon, as members.

The capital is Cooch Behar which is reached by the Cooch Behar Railway, Branch to the Eastern Bengal Railway System.

Tripura—This State lies to the east of the district of Tippera and consists largely of hills covered with dense jungles. It has an area of 4,116 square miles and a population of 382,450. The revenue from the State is about 20 lakhs and from the Zemindaries in British India is about 13 lakhs. The State enjoys a Salute of 13 guns. The present Ruler is Maharaja Manikya Bir Bikram Kishore Deb Barman Bahadur, who is a Kshatriya by caste and comes of the Lunar race. He was born on 19th August 1908 and he is entitled to a salute of 13 guns. He succeeded the late Maharaja Manikya Birendra Kishore Deb Barman Bahadur on 13th August 1923. The Military prestige of Tripura dates back to the fifteenth century and a mythical account of the State takes the history to an even earlier date. Both as regards its constitution and its relations with the British Government, the State differs alike from the large Native States of India, and from those which are classed as tributary. Besides being the Ruler of Tripura, the Maharaja also holds a large landed property situated in the plains of the Districts of Tippera, Noakhali and Sylhet. This estate covers an area of 600 square miles, and is held in form with the State as an indivisible Raj.

Disputes as to the right of succession have occurred on the occasion of almost every vacancy in the *gadi* producing in times gone by disturbances and domestic wars, and exposing the inhabitants to serious disorders and attacks from the Kukis, who were always called in as auxiliaries by one or other of the contending parties. The principles which govern succession to the State have recently, however, been embodied in a *sanad* which was drawn up in 1904. The chief products of the State are rice, cotton, til, tea and forest produce of various kinds, the traffic being carried chiefly by water. The Maharaja received full administrative powers on 19th August 1927. His Highness married the sixth daughter of the late Maharaja Sir Bhagabati Prasad Singhji Sahib Bahadur, K C I I , K B I , of Balarampur (Oudh) on the 16th January 1929 but on her death in November, 1930, married the eldest daughter of H H Maharaja Mahendra Sir Yadvendra Singh Bahadur, K C I F , Maharaja of Panna. The State courts are authorised to inflict capital punishment. The capital is Agartala.

Political Agent—Magistrate and Collector of Tippera (*Ex-officio*)

EASTERN STATES AGENCY

From the 1st April 1933 the States in Bihar and Orissa and in the Central Provinces (with the exception of Mahara) were comprised in the newly created Eastern States Agency and placed in the political charge of an Agent to the Governor General.

The names of the States are—Athgarh, Athmallik, Bamra, Baramba, Bastar, Baud, Bonar, Changbhakar, Chhuhadrin, Daspalla, Dhenkanal, Gangpur, Hindol, Jashpur, Kalahandi, Kanke, Kawardha, Keonjhar, Khairagarh, Khandpara, Kharsawan, Korea, Mayurbhanj, Nandgaon, Narsinghpur, Nayagarh, Nilgiri, Pal Lahara, Patna, Raigarh, Raikhol, Ranpur, Sakti, Srangarh, Serakela, Sonpur, Surguja, Talcher, Tigria, and Udaipur.

The total area is 59,680 square miles and the total population 71,08,736. The annual income is Rs 1,47,67,529. These States pay a tribute amounting to Rs 3,35,549 to Government.

Kharsawan and Serakela—The inhabitants are mostly hill men of Kolarian or Dravidian origin. The Chief of Kharsawan belongs to a junior branch of the Porahat Raja's family. The State first came under the notice of the British in 1793, when in consequence of disturbances on the frontier of the old Jungle Mahals the Thakur of Kharsawan and the Kunwar of Serakela were compelled to enter into certain agreements relating to the treatment of fugitive rebels. The Chief is bound, when called upon, to render service to the British Government, but he has never had to pay tribute. The Bengal Nagpur Railway runs through a part of the State. The adjoining State of Serakela is held by the elder branch of the Porahat Raja's family.

The States of Athgarh, Athmallik, Bamra, Baramba, Baud, Bonar, Daspalla, Dhenkanal, Gangpur, Hindol, Kalahandi, Keonjhar, Khandpara, Mayurbhanj, Narsinghpur,

Nayagarh, Nilgiri, Pal Lahara, Patna, Raikhol, Ranpur, Sonpur, Talcher, and Tigria have no connected or authentic history. They were first inhabited by aboriginal races who were divided into innumerable communal or tribal groups each under its own Chief or headman. These carried on incessant warfare with their neighbours on the one hand and with the wild beasts of the forests on the other. In course of time their hill retreats were penetrated by Aryan adventurers who gradually overthrew the tribal Chiefs and established themselves in their place. Tradition relates how these daring interlopers, most of whom were Rajputs from the north, came to Puri on a pilgrimage and remained behind to found kingdoms and dynasties. It was thus that Jai Singh became ruler of Mayurbhanj over 1,300 years ago, and was succeeded by his eldest son, while his second son seized Keonjhar. The Chiefs of Baud and Daspalla are said to be descended from the same stock, and a Rajput origin is also claimed by the Rajas of Athmallik, Narsinghpur, Pal-Lahara, Talcher and Tigria. Nayagarh, it is alleged, was founded by a Rajput from Rewah, and a scion of the same family was the ancestor of the present house of Khandpara. On the other hand, the Chiefs of a few States such as Athgarh, Baramba, and Dhenkanal owe their origin to favourites or distinguished servants of the Ruling sovereigns of Orissa. The State of Ranpur is believed to be the most ancient, the list of its Chiefs covering a period of over 3,600 years. It is noteworthy that this family is of Khono origin and furnishes the only known instance in which, amid many vicissitudes, the supremacy of the original settlers has remained in fact. The States acknowledged the suzerainty of the paramount power and were under an implied obligation to render assistance in resisting invaders, but in other respect neither the ancient kings of Orissa nor their successors, the Moghuls and

Marathas, ever interfered with their internal administration. All the States have annals of the dynasties that have ruled over them, but they are made up for the most part of legend and fiction and long chronological tables of doubtful accuracy, and contain very few features of general interest. The British conquest of Orissa from the Marathas which took place in 1803 was immediately followed by the submission of ten of the tributary States the Chiefs of which were the first to enter into treaty engagements.

The States have formed the subject of frequent legislation of a special character. They were taken over from the Marathas in 1803 with the rest of Orissa, but, as they had always been tributary States rather than regular districts of the native Government, they were exempted from the operation of the general regulation system. This was on the ground of expedience, only and it was held that there was nothing in the nature of British relations with the proprietors that would preclude their being brought under the ordinary jurisdiction of the British Courts if that should ever be found advisable. In 1882 it was held that the States did not form part of British India and this was afterward accepted by the Secretary of State.

The staple crop in these States is rice. The forests in them were at one time among the best timber producing tracts in India, but until lately forest conservancy was practically unknown. The States have formed the subject of frequent legislation of a special character.

The States of Bastar, Chhambhakar, Chhambhakar, Jaspur, Kanker, Kawardha, Khatmagarh, Korei, Nandgaon, Raigarh, Saitl, Saranggh, Surguja and Udaipur are scattered round the Chhattisgarh Division in the Central Provinces to the different districts of which the majority of them were formerly attached.

Bastar—This State is situated in the south-east corner of the Central Provinces. In area (13,002 square miles) it is the twelfth largest State in India and is very scattered and backward. A point of interest is that Bastar is the only State in India of which the Chief is a Hindu lady. She is the last descendant of an ancient family of Lunar Rajputs, which ruled over Warangal until the Mahomedan conquest of the Deccan in the 14th century A.D. when the brother of the last Raja of Warangal fled into Bastar and established a kingdom there. From then till the days of the Marathas the State was virtually independent, its inaccessibility securing it from all but occasional raids of Mahomedan freebooters. The Bhonslas of Nagpur imposed a small tribute on Bastar in the 18th century, and at various times for delay in payment deprived it of the Sihwa tract in the Raipur district, and allowed the Raja of Jeypore in the adjacent Vizagapatam Agency of Madras to retain possession of the Kotapad tract, originally pledged to Jeypore by a Bastar Raja for assistance during family dissensions. The dispute between Bastar and Jeypore over this land led to constant border disturbances, and was not finally settled till 1863, when the Government of India, while recognising Bastar's claim, finally made the tract over to Jeypore

on the ground of long possession, on condition of payment by Jeypore of Rs. 3,000 tribute, two thirds of which was remitted from the tribute payable by Bastar. The present tribute paid by Bastar is Rs. 18,000 a year.

On the formation of the Central Provinces Bastar was recognised as a Feudatory State. Since then the state has made steady, if slow, progress, hampered by the innate conservatism of its aboriginal population which has from time to time rebelled. The last rebellion in 1910 was due to oppression by minor State officials and dislike of the rigorous forest policy then under introduction. After the rebellion the Raja had his powers reduced and a series of British were appointed by the Central Provinces Administration. The State has since his death continued to be under Government management owing to the minority of Maharani Profulla Kumari Devi.

Nearly 11,000 square miles are covered by forest of which about 2,000 square miles are reserved. Cultivation is therefore sparse. Rice and mustard are the chief crops. There is a large export of grain, timber and minor forest produce, particularly myrobolams. Most of the sal forest is leased for sleeper manufacture. There are more than 600 miles of gravel motorable road in the State. The capital, Jagdalpur, on the Indrawati river is 184 miles by motorable road, from Raipur in the Central Provinces.

Surguja—Until 1905 this was included in the Chotanagpur States of Bengal. The most important feature is the Mainpat, a magnificent table land forming the southern barrier of the State. The early history of Surguja is obscure, but according to a local tradition in Palamu the present Ruling family is said to be descended from an Arkesel Raja of Palamu. In 1758 a Maratha army overran the State and compelled its Chief to acknowledge himself a tributary of the Bhonsla Raja. At the end of the eighteenth century in consequence of the Chief having aided a rebellion in Palamu against the British an expedition entered Surguja and though order was temporarily restored, disputes again broke out between the Chief and his relations necessitating British interference. Until 1818 the State continued to be the scene of constant lawlessness, but in that year it was ceded to the British Government under the provisional agreement concluded with Mudhoji Bhonsla of Nagpur, and order was soon established. The principal crops are rice and other cereals.

Agent to the Governor General Mr E. C. Gibson, C.I.R., I.O.S.

Secretary, Ranchi Mr L. G. Wallis, I.O.S.
Assistant Secretary, Ranchi Mr G. A. Heron
Secretary, Eastern States Agency and Political Agent, Sambalpur Mr J. Bowstead, M.C., I.O.S.

Forest

Agency Forest Officer Eastern States Agency, (Sambalpur) Mr F. A. A. Hart, I.R.S. (on leave)

Education

Agency Inspector of Schools, (Raipur) Rai Sahib P. H. Kataria
Agency Inspector of Schools, (Sambalpur) Mr H. Misra

UNDER THE GOVERNMENT OF ASSAM.

Manipur—The only State of importance, under the Government of Assam, is Manipur which has an area of 8,620 square miles and a population of 4,45,606 (1931 Census), of which about 58 per cent are Hindus and 35 per cent animistic hill tribes. Manipur consists of a great tract of mountainous country, and a valley about 50 miles long and 20 miles wide, which is shut in on every side. The State adopted Hinduism in the early eighteenth century, in the reign of Pamheiba or Gharib Nawaz, who subsequently made several invasions into Burma. On the Burmese retaliating, Manipur negotiated a treaty of alliance with the British in 1782. The Burmese again invaded Manipur during the first Burmese war, and on the conclusion of peace in 1826 Manipur was declared independent. The chief event in its subsequent history was the intervention of the British in 1891 to establish the claim of Kula Chandra Singh as Maharaja, followed by the treacherous murder of the Chief Commissioner, Mr. Quinton, and the officers with him, and the withdrawal of the escort which accompanied him. From 1891 to 1907 the State was administered by the Political Agent, during the minority of H. H. Chura Chand Singh. The Raja was invested with ruling powers in 1907 and formally installed on the gadi in 1908. For his services during the War the hereditary title of Maharaja was

conferred on him. He is entitled to a salute of 11 guns.

The administration of the State is now conducted by H. H. the Maharaja, assisted by a Durbar, which consists of a President, who is usually a member of the Indian Civil Service, his services being lent to the State by the Assam Government, three ordinary and three additional members, who are all Manipuris. The staple crop of the country is rice. Forests of various kinds cover the great part of the mountain ranges.

Khasi States—These petty chiefships, 25 in number, with a total area of about 3,600 square miles and a population of 1,80,000, are included under the Government of Assam. Most of the States have treaties or engagement with the British Government. The two largest are Khyrim and Mylliem and the smallest is Nongliwai, which has a population of only 213. Most of them are ruled by a Chief or Siem. The Siemship usually remains in one family. The succession was originally controlled by a small electoral body constituted from the heads of certain clans but in recent years there has been a tendency to broaden the elective basis. The constitution of a Khasi State has always been of a very democratic character, a Siem exercising but little control over his people.

UNDER THE GOVERNMENT OF THE UNITED PROVINCES.

Three States Rampur, Tehri and Benares are included under this Government —

State	Area Sq Miles	Popu- lation	Revenue in lakhs of Rupees
Rampur	802	453,607	54
Tehri (Garhwal)	4,502	318,482	18
Benares	875	362,735	22

Rampur State—The State of Rampur was founded by Nawab Sayed Ali Mohammad Khan Bahadur in the middle of the 18th century and his dominions included a considerable portion of what is now known as Rohilkhand. The founder belonged to the famous Sayeds of the Barchi clans in the Muzaffarnagar district and was a statesman of remarkable ability. He rendered invaluable services to the Moghul Emperor who recognised him as Ruler of Rohilkhand.

Upon his death, his Kingdom underwent many vicissitudes and was considerably reduced in size during the reign of his son Nawab Sayed Fazulla Khan Bahadur. The Province of Rohilkhand had now passed into the hands of the East India Company. Nawab Sayed Fazulla Khan Bahadur was most loyal and true to the British Government to whom he always looked up for help during those unsettled

days and he gave tangible proof of his loyalty when during the war against France he offered all his cavalry 2,000 strong to the British Government in 1778 and received the following message of thanks from the then Governor General —

“That in his own name as well as that of the Board, he returned him the warmest thanks for this instance of his faithful attachment to the Company and the English Nation.”

Another opportunity arose for the ruler of Rampur to evince his steadfast loyalty and devotion to the Imperial Cause on the outbreak of the Mutiny of 1857. His Highness Nawab Sir Sayed Yusuf Ali Khan Bahadur occupied the Musnud of Rampur in those days. From the very start till peace was re-established in the country, he was lavish in his expenditure of men and money on the side of the British Government. He fought their battles, saved the lives of many Europeans whom he provided with money and other means of comfort and had so much established his reputation as a good administrator that he was placed in charge of the Moradabad district. These signal services were recognised by the Government by the grant of an Illaq besides other marks of distinction.

The reign of His Late Highness Nawab Sir Sayed Mohammad Hamid Ali Khan Bahadur stood out unique in many ways. Rampur made great strides in trade and commerce and in fact in every walk of life. He took keen interest in Education and did not only contribute handsome donations but made annual grants to the various educational institutions. He was no whit behind his compatriot in his loyalty

to the British Government. The Great War of 1914 found him foremost in offering his personal services and all the resources of the State—men, money and material—to the British Government. The 1st Rampur Infantry was sent to East Africa and returned home after nearly four years' service and won the favourable remarks of high British Officers. Besides the expenditure involved in this His Highness also participated in the Scheme of the Hospitalship 'Loyalty' and contributed one lakh of rupees towards the cost and upkeep of it. His other contributions to the various funds amounted to over half a lakh of rupees and he also subscribed Rs 7,00,000 to the two War Loans. At the time of the Afghan War 1919 the I S Lancers and the Imperial Service Infantry were sent on garrison duty in British India.

The present Ruler His Highness Nawab Sayed Raza Ali Khan Bahadur succeeded his father on 20th June 1930. His Highness was born on 17th November 1906 and was educated at the Rajkumar College, Rajkot. He is an enlightened ruler and takes very keen interest in the administration of the State.

Since his accession to the masnad, His Highness has introduced reforms in Judicial, Police, Revenue and Army Departments and during the short period that the reins of the State have been in his hands he has overhauled and reorganised the whole administration. His Highness is also greatly interested in education, commerce and industry and has taken practical steps to improve them. The welfare of his subjects and their advancement in every walk of life is the cherished desire of His Highness.

His Highness has two sons and two daughters. The eldest son Sihebrada Sayed Murtaza Ali Khan Bahadur is the Heir Apparent.

The permanent salute of the State is 15 guns and the annual income over fifty lakhs of rupees.

Tehri State (or Tehri-Garhwal)—This State lies entirely in the Himalayas and contains a tangled series of ridges and spurs radiating from a lofty series of peaks on the border of Tibet. The sources of the Ganges and the Jumna are in it. The early history of the State is that of Garhwal District, the two tracts having formerly been ruled by the same dynasty since 688 A. D. Pradyumna Shah, the last Raja of the whole territory, was killed in battle fighting against the Gurkhas, but at the close of the Nepalese War in 1815, his son received from the British the present State of Tehri. During the Mutiny the latter rendered valuable assistance to Government. He died in 1859. The present Raja is Major H. H. Sir Narendra Shah Bahadur, K. C. S. I., who is 59th direct malelineal descendant from the original founder of the dynasty, Raja Kanak Pal. The principal products are rice and wheat grown on terraces on the hill sides. The State forests are very valuable and there is considerable export of timber. The Raja has full

powers within the State. The strength of the State forces is 330. The capital is Tehri, the summer capital being Pratapnagar, 8,000 feet above the sea level.

Agent to the Governor-General. The Governor of the U. P. of Agra and Oudh.

Benares—The kingdom of Benares under its Hindu Rulers existed from time immemorial and finds mention in Hindu and Buddhist literature. In the 12th century it was conquered by Shahab ud din Ghori and formed a separate province of the Mohammadan Empire. In the 18th century, when the powers of Moghul Emperors declined after the death of Aurangzeb, Raja Mansa Ram an enterprising zamindar of Gangapur (Benares district) founded the State of Benares and obtained a Sanad from the Emperor Mohammad Shah of Delhi in the name of his son Raja Balwant Singh in 1738. Raja Mansa Ram died in 1740 and his son Balwant Singh became the virtual ruler. During the next 30 years attempts were unsuccessfully made by Sadr Jang and after him by Shuja ud-daula of Oudh to destroy the independence of the Raja and the Fort of Ramnagar was built on the bank of the Ganges opposite the Benares City. Raja Balwant Singh died in 1770 and was succeeded by his son Chet Singh. He was expelled by Warren Hastings. Balwant Singh's daughter's son Mahip Narain Singh was placed on the *gadi*. The latter proved an imbecile and there was maladministration which led to an agreement in 1794 by which the lands, held by the Raja in his own right which was granted to him by the British Government, were separated from the rest of the province. The direct control of the latter was assumed by the Government and an annual income of one lakh of rupees was assured to the Raja while the former constituted the Domains. Within the Domains the Raja had revenue powers similar to those of a Collector in a British district. There was thus constituted what for over a century was known as the Family Domains of the Maharaja of Benares. On the 1st of April, 1911, the major portion of these Domains became a State consisting of the *perganahs* of Bhadohi and Chakia (or Kera Mangraur). The town of Ramnagar and its neighbouring villages were ceded by the British Government to the Maharaja in 1918 and became part of the State. The Maharaja's powers are those of a Ruling Chief, subject to certain conditions, of which the most important are the maintenance of all rights acquired under laws in force prior to the transfer, the reservation to Government of the control of the postal and telegraph systems, of plenary criminal jurisdiction within the State over servants of the British Government and European British subjects, and of a right of control in certain matters connected with Excise.

The present ruler is Captain H. H. Maharaja Sir Aditya Narain Singh Bahadur, K. C. S. I., who was born in 1874 and succeeded to the State in 1931.

PUNJAB STATES

There are 14 States of the Punjab which since 1921, have been in direct political relation with the Government of India through the Hon'ble

the Agent to the Governor-General, Punjab States, who resides at Lahore
The following are details —

Name	Permanent salute in guns	Area (Sq miles)	Population (1921)	Approximate revenue in lakhs of rupees
Patiala	17	5,942	1,625,520	1,35 6
Bahawalpur	17	16,434	984,612	49 7
Khairpur†	15	6,050	227,143	20 4
Jind	13	1,299	324,676	29 3
Nabha*	13	947	287,574	29 8
Kapurthala	13	599	316,757	37 0
Mandi	11	1,139	207,465	15 3
Sirmur, (Nahan)†	11	1,046	148,568	6 0
Bilaspur (Kahlur)*	11	453	100,994	3 0
Malerkotla	11	165	83,072	14 6
Faridkot*	11	638	164,364	18 9
Chamba	11	3,127	146,870	8 3
Suket	11	392	58,408	2 2
Loharu*	9	226	23,338	1 3

* Under administration

† Personal salute raised to 13 guns

‡ Brought under the Political control of the A G G Punjab States in April 1933

Bahawalpur—A Native State in direct political relationship with the Government of India through the Agent to the Governor-General, Punjab States Agency. Bahawalpur is situated between the Punjab and Rajputana, Latitude $27^{\circ} 41'$ to $30^{\circ} 22' 15''$, Long $70^{\circ} 47'$ to $74^{\circ} 1'$ and bounded on the North-East by the District of Ferozepur, on the East and South by the Rajputana States of Bikaner and Jaisalmer, on the South-West by Sind, on the North-West by the Indus and Sutlej rivers. Area, 15,000 square miles.

This State is about 300 miles in length and about 50 miles wide, is divided lengthwise into three great strips. Of these, the first is a part of the Great Indian Desert, the central track which is as barren as uplands of the Western Punjab, has however been partly rendered capable of cultivation by the net work of Sutlej Valley Canals constructed recently, and the third a fertile alluvial tract in the river valley is called the Sind. The State is a partner in the great Sutlej Valley Project which is now nearing completion. The scheme embodies four colossal weirs and a network of canals that are gradually but surely converting the arid and bleak desert of Cholistan into a valley of smiling fields and rich gardens. It has been estimated that the perennial and non-perennial areas to be brought under cultivation by the Project would cover 14 64 and 25 82 lakh acres of land respectively. The ruling family is descended from the Abbasside Khalifas of Baghdad. The tribe originally came from Sind, and assumed independence during the dismemberment of the Durrani Empire in the Treaty of Lahore in 1809. Ranjit Singh was confined to the right bank of the Sutlej.

The first treaty with Bahawalpur was negotiated in 1833, the year after the treaty with Ranjit Singh for regulating traffic on the Indus. It secured the independence of the Nawab within his own territories and opened up the traffic on the Indus and Sutlej. During the first Afghan War the Nawab rendered assistance to the

British and was rewarded by a grant of territory and life pension. On his death his heir being minor for a time the administration of the State was in the hands of the British authorities. The present ruler is Rukn-ud-Daula, Nusrat-Jang, Mukhlis ud-Daula, Hafiz ul Muluk, His Highness Major Nawab Sir Sadiq Muhammad Khan Abbasi V, CIE, KCO, KCSI, who was born in 1904 and succeeded in 1907. During his minority the State was managed by a Council of Regency which ceased to exist in March 1924, when His Highness the Nawab was invested with full power. His Highness is now assisted in the administration of his State by a Prime Minister, Izzat Nishan, Imad-ul Muluk, Rai Khais ul Wozra, Khair Bahadur, Mr Nabi Buksh Mahomed Husain, MA, LLB, CIE, KCSI, BCS, a Public Works and Revenue Minister, Mr C A H Townsend, CIE, a Minister for Law and Justice, Rafi us Shan, Iftikhar-ul Muluk, Lt-Col Maqbool Hasan Kurelshy, MA, LLB, CIO, CIO, a Home Minister, Amin ul Muluk, Umdat-ul Umra, Sardar Mohammad Amir Khan, CIO, an Army Minister, Major General Sahibzade Haji Mohammad Dilawar Khan Abbasi, CIO, CIO, and a Minister for Commerce, Dewain Sukha Nand, MAO.

The chief crops are wheat, rice and millet. The Lahore-Karachi branch of the North Western State Railway passes through the State. The State supports an Imperial Service combined infantry, in addition to other troops. The capital is Bahawalpur, a walled town built in 1718.

Income from all sources over 70 lakhs. Languages spoken: Multani or Western Punjabi (Jatki), and Marwari.

Agent to the Governor-General, Punjab States — The Hon Sir James Fitzpatrick, BA, LLB, CIE, CBE, ICS.

Chamba—This State is enclosed on the west and north by Kashmir, on the east and south by the British districts of Kangra and

Gurdaspur, and it is shut in on almost every side by lofty hill ranges. The whole country is mountainous and is a favourite resort of sportsmen. It possesses a remarkable series of copper plate inscriptions from which its chronicle have been compiled.

Founded probably in the sixth century by Marut, a Surajbansi Rajput, who built Brahmapura, the modern Barinaur, Chamba was extended by Meru Varma (686) and the town of Chamba built by Sahil Varma about 920. The State maintained its independence, until the Moghal conquest of India.

Under the Moghals it became tributary to the empire, but its internal administration was not interfered with, and it escaped almost unscathed from Sikh aggression. The State first came under British influence in 1846. The part, west of the Ravi, was at first handed over to Kashmir, but subsequently the boundaries of the State were fixed as they now stand, and it was declared independent of Kashmir. The present chief is H. H. Raja Ram Singh, who was born in 1890, and succeeded in 1919. The principal crops are rice, maize and millets. There are some valuable forests which were partly leased to Government in 1864 for a term of 99 years, but the management of them has now been retroceded to the Chamba Durbar. The mountain ranges are rich in minerals which are little worked. The principal road to Chamba town is from Pathankot, the terminus of the Amritsar Pathankot branch of the North-Western Railway. Chamba town, on the right bank of the Ravi, contains a number of interesting temples, of which that of Lakshmi Narayan, dating possibly from the tenth century, is the most famous.

Faridkot—The ruling family of this sandy level tract of land belongs to the Sidhu-Barar clan of the Jats, and is descended from the same stock as the Phulkian houses. Their occupation of Faridkot and Kot Kapura dates from the time of Akbar, though quarrels with the surrounding Sikh States and internal dissensions have greatly reduced the patrimony.

The present Ruling Prince, Farzand-i-Saadat Nishan Hazarat-i-Kaisar-i-Hind Brar Bans Raja Har Indar Singh Bahadur was born in 1915 and succeeded his father in 1919. Under the orders of the Government of India the administration of the State has been entrusted to a Council of Administration consisting of a President, Sardar Bahadur Sardar Indar Singh, B.A., and three members. The State has an area of 643 square miles with a population of 164,364 souls and has an annual income of 18 lakhs. The Ruler is entitled to a salute of 11 guns and a visit and return visit from the Viceroy. The State Forces consist of State Sappers and Household Troops (Cavalry and Infantry).

Jind—Jind is one of the three Phulkian States (the other two being Patiala and Nabha). Its area is 1,268 square miles, with a population of 3,24,676 souls and an income of 25 lakhs.

The history of Jind as a separate State dates from 1763 when Raja Gajpat Singh, the maternal grandfather of Maharaja Ranjit Singh, and great grandson of the famous Phul, established his

principality. He was succeeded by Raja Bhag Singh, who greatly assisted Lord Lake in 1805. His grandson Raja Sangat Singh was succeeded by the nearest male collateral Raja Sarup Singh in 1837. In the crisis of 1857 Raja Sarup Singh rendered valuable services to the British and was rewarded with a grant of nearly 600 square miles of land, known as Dadri territory. He was succeeded by his son Maharaja Raghbir Singh, who gave help to the British Government on the occasion of Kuka outbreak (1872) and the 2nd Afghan War (1878). The present ruler Maharaja Ranbir Singh was born in 1879, succeeded in 1887, and invested with full powers in 1899. The State rendered exemplary services in the Great European War. It supplied 8,673 men to the Indian Army and Imperial Service Troops and doubled the strength of its Imperial Service Infantry. The total contribution amounted to nearly 35 lakhs, in gifts of cash, materials, animals and loan.

His Highness enjoys a salute of 15 guns. The capital is Sangrur, which is connected by a State Railway with the North-Western Railway. The principal executive Officer of the State is called Chief Minister.

Ruler—Colonel His Highness Farzand-i-Dilband Rasikh-ul-Itikad, Daulat-i-Inghishia Raja-i-Rajgan Maharaja Sir Ranbir Singh Rajendra Bahadur, G.C.I.E., K.C.S.I., etc.

Kapurthala—This State consists of three detached pieces of territory in the great plain of the Jullundur Doab. The ancestors of the ruler of Kapurthala at one time held possessions both in the Cis and Trans Sutlej and also in the Bari Doab. In the latter lies the village of Ahlu whence the family springs, and from which it takes the name of Ahluwalia. When the Jullundur Doab came under the dominion of the British Government in 1846, the estates north of the Sutlej were maintained in the independent possession of the Kapurthala Ruler, conditional on his paying a commutation in cash for military service engagements by which he had previously been bound to Maharaja Ranjit Singh, of Lahore. This annual tribute of Rs. 1,31,000 a year was remitted by the Government of India in perpetuity in (1924) in recognition of the splendid war record and uniformly efficient administration of the State. The Bari Doab estates are held by the head of the House as a jaghir in perpetuity, the civil and police jurisdiction remaining in the hands of the British authorities. For good services during the Mutiny, the present Maharaja's grandfather was rewarded with a grant of other estates in Oudh, which yield a large annual income equal to those of Kapurthala State. The present Ruler's titles are Col. H. H. Farzand-i-Dilband Rasikhul-Itikad Daulat-i-Inghishia Raja-i-Rajgan Maharaja Jagatjit Singh Bahadur Maharaja of Kapurthala, G.C.S.I. (1911), G.C.I.E. (1918), G.B.E. (1927) who was born on 24th November 1872 and succeeded his father. His Highness the late Raja-i-Rajgan Kharak Singh of Kapurthala in 1877. He was granted the title of Maharaja as an hereditary distinction in 1911. His salute was raised to 15 guns and he was made Honorary Colonel of the 45th Rattays Sikhs. The Maharaja received the Grand Cross of the Legion d'Honneur from the French Government in 1924, and possesses also the Grand Cross of the

Order of Carlos 3rd, of Spain, Grand Cross of the Order of the Star of Roumania, Grand Cross of the Order Menelek of Abyssinia, Grand Cordon of the Order of the Nile of Egypt, Grand Cordon of the Order of Morocco, Grand Cordon of the Order of Tunis, Grand Cross of the Order of Chili, Grand Cross of the Order of the Sun of Peru, Grand Cross of the Order of Cuba, represented Indian Princes and India on the League of Nations in 1926, 1927 and 1929, celebrated the Golden Jubilee of his reign in December 1927 with great eclat, when Their Excellencies the Viceroy and Lady Irwin, the Commander-in-Chief in India and Lord Birdwood, Governor of the Punjab and Lord Hailey, Their Highnesses the Maharajas of Jammu and Kashmir, Bikaner, Patiala, Jammu and Alwar, Bharatpur, Rajpura, Mandi, the Nawabs of Palanpur, Malerkotla, Loharu and the Raja of Kalsia were present, besides a very large and distinguished gathering of European and Indian guests.

The rulers of Kapurthala are Rajput Sikh, and claim descent from Rana Kapur, a distinguished member of the Rajput House of Jaisalmer. Only a small proportion of the population however are Sikhs the majority being Mohammedans. The chief crops are wheat, gram, maize, cotton and sugarcane. The town of Sultanpur in this State is famous for hand-printed cloths. Phagwara is another important town in the State and is very prosperous on account of its grain markets and factories for manufacture of agricultural implements, and metallic utensils of household use. The situation of this town on the main railway line and the consequent facilities of export and import make its importance still greater and this is the chief commercial town in the State. The main line of the North-Western Railway passes through part of the State and the Grand Trunk Road runs parallel to it. A branch railway from Jullundur City to Ferozepur passes through the capital. The Imperial Service and local troops of the State have been re-organized and are now designated as Kapurthala State Forces. The State Troops, the strength of which was raised during the Great War, to nearly 2,000, served the Empire in that crisis in East Africa, Mesopotamia and on the Afghan Frontier. Primary education is free throughout the State and it spends a large proportion of its revenues on its Education Department. The State also possesses a Legislative Assembly which was created by the present Maharaja on the occasion of the Silver Jubilee of his reign in 1916. The capital is Kapurthala which has been embellished by the present Maharaja with a Palace of remarkable beauty and grandeur and with various buildings of public utility. The town boasts modern amenities such as electric light, water-works etc.

Political Officer. The Hon'ble Agent to the Governor-General, Punjab States, Lahore.

Malerkotla.—This State consists of a level sandy plain unbroken by a hill or stream, bounded by the district of Ludhiana on the north, by Patiala territory on the east and south and by the Ludhiana District, Patiala and Nabha territories on the west. The Rulers (Nawabs) of Malerkotla are of "Kurd",

descent who came originally from the Province of 'Sherman' and settled in the town of 'Sherman' north of Peshawar and after settling for a time in Afghanistan near Ghazni came to India and settled at Meerut, the old capital of the State in 1442. Originally they held portions of trust under the Tughlaq and Mughal Emperors. As the Mughal Empire began to sink into decay they gradually became independent. They were in constant feud with the newly created Rajput Sikh State. After the victory of Laswari, gained by the British over Sindhis in 1803 and the subjugation and defeat of Holkar in 1805 when the Nawab of Malerkotla joined the British Army, the British Government succeeded to the power of the Maharajas in the districts between the Sutlej and the Jumna. The State entered into political relations with the British Government in 1809. The present ruler is Lt.-Col. His Highness Nawab Sir Ahmad Ali Khan Bahadur, F.C.S.I., F.C.I.F., who was born in 1851 and succeeded in 1898. He was created Hon'ble Major in the Indian Army in June 1916 and promoted to the rank of Lt.-Col. in December 1919.

The chief products are cotton, sugar, poppy, mustard, mustard grain, rice, tobacco, garlic, onions and all sorts of grains.

The State maintains Sanfers, Infantry, Cavalry and Artillery. The capital is Malerkotla. The population of the town is 37,000. Annual revenue of the State is about 16 lakhs.

Mandi is an Indian State in the Punjab Political Agency lying in the upper reaches of Bias river which drains nearly all its area. Its area is 1,200 square miles and it lies between 31°-23' North Lat. and 76°-22' East Long., and is bounded on the east by Kulu, or the south by Saket and on the north and west by Kangra. It has an interesting history of considerable length which finally resulted in its entering into a treaty with the British in 1846.

The present Ruler Capt. His Highness Raja Sir Jogindar Sen Bahadur, F.C.S.I., assumed full powers in February 1925. His Highness married the only daughter of His Highness the Maharaja of Kapurthala.

The Mandi Hydro-Electric Scheme was formally opened by H. E. the Viceroy in March this year.

The principal crops are rice, maize, wheat and millet. About three-fifths of the State are occupied by forests and grazing lands. It is rich in minerals. The capital is Mandi founded in 1527 which contains several temples and places of interest and is one of the chief marts for commerce with Ladakh and Yarkand.

Nabha.—Nabha which became a separate State in 1763 is one of the 3 Phulkian States—Nabha, Patiala and Jind—and though second in point of population and revenue of the 3 sister States, it claims seniority being descended from the eldest branch. It consists of two distinct parts the main portion comprising 12 separate pieces of territory scattered among the other Punjab States and Districts, forms the City of Nabha and the Districts of Phul

and Amloli, the second portion forms the *Nizamat of Bawal* in the extreme south-east of the Punjab on the border of Rajasthan, this *Nizamat of Bawal* was subsequently added to its territory as a reward from the British Government for the loyalty of the Rulers of Nabha. The State now covers an area of about 1,000 square miles and has a population of about 3 lakhs. The State maintains one battalion of Infantry known as the Nabha Akal Infantry under the Indian States Forces Scheme consisting of 482. For the preservation of the peace there is also a Police force consisting of about 400 men.

The State is traversed by the main and 3 branch lines of the N W Railway and the B B & C I crosses, the *Nizamat of Bawal*. A portion of the State is irrigated by the Sirhind Canal. The crops of the State are gram, pulses, bajra, sugarcane, cotton, wheat and barley, to facilitate trade the Durbar has opened grain markets and Banks near the principal railway station within the State territory. The chief industries of the State consist of the manufacture of silver and gold ornaments, brass utensils, and cotton carpets, lace and *gota*, etc. There are some ginning factories and a cotton steam press in the State which are working successfully. In 1923 an inquiry was held into certain matters in dispute between the Patiala and the Nabha Durbars which showed that the Nabha Police had fabricated cases against persons connected with the Patiala State with the object of injuring them through the Patiala Durbar. As a result, the Maharaja Rupudaman Singh, who was born in 1883 and succeeded his father in 1911 entered into an agreement with the Government of India whereby he voluntarily separated himself from the administration and the control of the State was accordingly assumed by the Government of India. In consequence of repeated breaches of the agreement by the Maharaja, he was in February 1928 deprived of the title of Maharaja, His Highness and of all rights and privileges pertaining to the Ruler of the State, and his eldest son, Partab Singh, was recognized as Maharaja in his stead.

Patiala—This is the largest of the Phulian States, and the premier State in the Punjab. Its territory is scattered and interspersed with small States and even single villages belonging to other States and British districts. It also comprises a portion of the Simla Hills and territory on the border of Jaipur and Alwar States. Area 5,932 square miles. Population 16,25,520. Gross income Rs. one crore and forty lakhs. Its history as a separate State begins in 1762. The present Ruler, Lieutenant-General His Highness Farzand-i-Khas Daulat-Inglishia Mansur-ul-Zaman Amir-ul-Umma Maharaja Dhiraj Raj Rajeshwar, Sri Maharaja-i-Rajgan Sir Bhupindra Singh Mohinder Bahadur, Yadu Vanshavatsan Bhatti Kul Bhushan, GCSI, GCMG, GCVO, GBE, ADC, was born in 1891, succeeded in 1900, and assumed the reins of government in 1909 on attaining majority. His Highness the Maharaja Dhiraj enjoys at present personal salute of 19 guns and he and his successors the distinction of exemption from presenting Nazar to the Viceroy in Durbar in perpetuity. The principal crops are grain,

barley, wheat, sugar-cane, rapeseed, cotton and tobacco. A great part of the State is irrigated by the Sirhind and Western Jumna Canal distributaries. It possesses valuable forests. The State is rich in antiquities, especially at Punjabur, Sunam, Sirhind, Bhatinda, Narauli, etc. One hundred and thirty-eight miles of broad gauge railway line comprising two Sections—from Rapara to Bhatinda and from Sirhind to Rupar—have been constructed by the State at its own cost. The North-Western Railway, the D I Railway, the B B & C I Railway and the J B Railway traverse the State. His Highness maintains a contingent of two regiments of cavalry and four battalions of infantry—one battery of Horse Artillery.

The State maintains a first grade college which imparts free education to state subjects. Primary education is also free throughout the State. The Durbar sanctioned a scheme of compulsory education in 1928.

Since the State has entered into alliance with the British Government in 1809 A.D. it has rendered help to the British Government on all critical occasions such as the Gurkha War of 1819, the Sikh War of 1845, the Mutiny of 1857, the Afghan War of 1878-79, and the Irish and N W F campaign of 1897. On the outbreak of the European War His Highness placed the entire resources of his State at the disposal of His Majesty the King-Emperor and offered his personal services. The entire Imperial Service Contingent was on active service throughout the period of the War and served on various fronts in Egypt, Gallipoli, Mesopotamia and Palestine, winning numerous distinctions. Two mule and one camel corps were raised and placed at the service of the British Government for the period of the War, and in addition to furnishing nearly 28,000 recruits for the British Indian Army and maintaining the State Imperial Service Contingent at full strength, contributed substantially in money and material. Again in 1919 on the outbreak of hostilities with Afghanistan His Highness served personally on the Frontier on the Staff of the General Officer Commanding and the Imperial Service Contingent saw active service towards Kohat and Quetta fronts. For his services on the N W Frontier His Highness was mentioned in despatches.

His Highness was selected by His Excellency the Viceroy to represent the Ruling Princes of India at the Imperial War Conference and Imperial War Cabinet in June 1918 and during his stay in Europe His Highness paid visits to all the different and principal fronts in Belgium, France, Italy and Egypt (Palestine) and received the following decorations from the allied Sovereigns and Governments—(a) Grand Cordon of the Order de Leopold, (b) Grand Cross of the Legion of Honour, France, (c) Grand Cross of the Order of the Crown of Italy, (d) Grand Cordon of the Order of the Nile, (e) Grand Cross of the Order of the Crown of Roumania and (f) Grand Cross of the Order of St. Saviour of Greece (1926).

His Highness represented the Indian Princes at the League of Nations in 1925. In 1926, he was elected Chancellor of the Chamber of Princes (Narendra Mandal). He was re-elected

Chancellor of the Chamber in 1927-28-29-30. In 1930, His Highness led the Princes' delegation to the Round Table Conference. He was again elected Chancellor of the Chamber of Princes in 1933.

Sirmur (Nahan)—This is a hilly State in the Himalayas under the Political control of the Hon'ble the Agent to the Governor General, Punjab States, Lahore. Its history is said to date from the 11th century. In the eighteenth century the State was able to repulse the Gurkha invasion, but the Gurkhas were invited to aid in the suppression of an internal revolt in the State and they in turn had to be evicted by the British. In 1857 the Raja rendered valuable services to the British, and during the second Afghan War he sent

a contingent to the North-West Frontier. The present Prince is H. H. Maharaja Rajendra Prakash who was born in 1913 and succeeded in 1911. The main agricultural feature of the State is the recent development of the Kiarda Dun, a fertile level plain which produces wheat, gram, rice, maize and other crops. The State forests are valuable and there is an iron foundry at Nahan which was started in 1867 but, being unable to compete with the imported iron, is now used for the manufacture of sugarcane crushing mills. The State supports a Corps of Sappers and Miners which served in the Great War. It was captured with General Townshend's force at Kut-al-Amara but the Corps was reconstituted and sent to service.

UNDER THE GOVERNMENT OF BURMA.

The States under this Government comprise the Shan States which are included in British India though they do not form part of Burma proper and are not comprised in the regularly administered area of the Province and the Karenni States which are not part of British India and are not subject to any of the laws in force in the Shan States or other parts of Burma.

The Shan States comprise the two isolated States of Hsawnghsup and Singaling Hkamti in the Upper Chindwin District under the supervision of the Commissioner, Sagaing Division, the eight petty village communities under separate hereditary Chiefs known as Hkamti Long in the Myitkyina District and the two main divisions of the Shan States known as the Northern and Southern Shan States numbering six and thirty States respectively which are under the Commissioner, Federated Shan States.

Hsawnghsup with an area of 529 square miles and a population of 7,239 lies between the 24th and 25th parallels of latitude and on the 95th parallel of longitude between the Chindwin river and the State of Manipur.

Singaling Hkamti has an area of 983 square miles and a population of 2,157 and lies on the 16th and 20th parallels of latitude and longitude respectively.

The Hkamti Long States have an area of 200 square miles with a population of 5,349 and lie between the 27th and 28th parallels of latitude on the Upper Waters of the N'Mai branch of the Irrawaddy.

The Northern Shan States (area 20,156 square miles and population 636,107) and the Southern Shan States (area 36,157 square miles and population 870,230), form with the unadministered Wa States (area about 2,000 square miles) and the Karenni States, a huge triangle lying roughly between the 19th and 24th parallels of latitude and the 96th and 102nd parallels of longitude with its base on the plains of Burma and its apex on the Mehlong river.

The population consists chiefly of Shans who belong to the Shan group of the Tai Chinese family, the remainder belong chiefly to the Wa-palaung and Mon Khmer groups of races of the Austro-Asiatic branch of the Austro family, or to the Karen family which Sir George Grierson now proposes to separate from the Tai Chinese family. There are also a number of Kachins and others of the Tibeto Burman family. The Shans themselves shade off imperceptibly into a markedly Chinese race on the frontier. Buddhism and Animism are the principal religions.

The climate over so large an area varies greatly. In the narrow lowlying valleys the heat in summer is excessive. Elsewhere the summer shade temperature is usually 80 to 95° Fahr. In winter frost is severe on the faddy plains and open downs but the temperature on the hills is more equable. The rainfall varies from 50 to 100 inches in different localities.

The agricultural products of the States are rice, pulses, maize, buckwheat, cotton, sesamum, groundnuts, oranges and pineapples.

Land is held chiefly on communal tenure but unoccupied land is easily obtainable on lease from the Chiefs in accordance with special rules for non-natives of the States. Great spaces of the States are suitable for cattle, pony and mule breeding and in the Northern States Chinese settlers appear to have found the latter a very paying proposition.

The mineral resources of the States are still unexplored. The Burma Corporation have a concession for silver, copper, lead and zinc in the Northern States which they claim to be the richest in the world. The Mawson area in the Southern States is also rich in lead. Lignite and iron ore of a low grade are found in many places.

Lashio, the headquarters of the Northern Shan States, is the terminus of the Myohauung-Lashio Branch of the Burma Railways (178 miles) and is also connected with Mandalay by a cart road.

The Burma Corporation's narrow-gauge private railway track 46 miles long connects their Bawgyin mine with the Burma Railways system at Namyao.

The Southern Shan States are served by the Burma Railways branch line Thazi to Heho (87 miles) which has recently been extended to Tayaw in the Yawngwe plain.

Taunggyi, the headquarters of the Southern Shan States, is connected with Thazi by a well-graded motor road. The States vary much in size and importance. The largest State is Kengtung with an area of 12,400 square miles and population 225,894.

Hsipaw with an area of 4,400 square miles and population 148,731 is the richest State with a gross revenue of Rs 10,62,418.

The Sawbwas of Kengtung, Hsipaw and Yawngwe and Mongnai have salutes of nine guns while the Mong Mit Sawbwa has a personal salute of the same number.

Administration

Under the Burma Laws Act, 1898, the Civil, Criminal and Revenue administration of every Shan State is vested in the Chief of the State subject to the restrictions specified in the sanad of appointment granted to him and under the same Act the law to be administered in each State is the customary law of the State so far as it is in accordance with justice, equity and good conscience and not opposed to the law in force in the rest of British India. The customary law may be modified by the Governor who has also power to appoint officers to take part in the administration of any State and to regulate the powers and proceedings of such officers. The Chiefs are bound by their sanads to follow the advice of the Superintendents appointed but subject to certain modifications which have been made in the customary law relating to criminal and civil justice have more or less maintained the semi-independent status which was found existing at the annexation of Upper Burma.

In 1920, Sir Reginald Craddock, Lieutenant-Governor of Burma, proposed a scheme for the sanction of the Secretary of State under which the Chiefs of the Northern and Southern Shan States have agreed to federalise the departments of Government in which they had been previously largely dependent on contributions from the Provincial Funds. Under this scheme no interference is contemplated in the internal management of the States and the Chiefs continue to collect their taxes and be responsible for law and order, maintain Courts for the disposal of criminal and civil cases, appoint their own officials and control their own subjects under the advice of the Superintendents. But the Federation is responsible for the centralised Departments of Public Works, Medical, Forests, Education, Agriculture and to a small extent Police. In place of the individual tribute formerly paid by them the

Chiefs contribute to the Federation a proportion of their revenue which amounts roughly to the expenditure hitherto incurred by them on the heads of administration now centralised while the Provincial Government surrenders to the Federation all provincial revenue previously derived from the States and makes an annual contribution to enable it to maintain its services at the same degree of efficiency formerly enjoyed. The Federation on the other hand pays a fixed proportion of its revenue to the Provincial Treasury as tribute in place of the individual contributions of the Chiefs. Under this scheme the Federation is a sub entity of the Burma Government, is self-contained and responsible for its own progress. The Chiefs express their views on Federal and general matters through a Council of Chiefs consisting of all Chiefs of the rank of Sawbwa and four elected representatives of the lesser Chiefs. The Superintendents, Northern Shan States and the Commissioner of the Federated Shan States to whom the supervision of the Federation has been entrusted are *ex-officio* members of the Council. The scheme was sanctioned and brought into force with effect from October 1922. The first meeting of the Council of Chiefs was formally opened by His Excellency the Governor Sir Spencer Harcourt Butler, G.O.I.E., K.O.S.I., I.O.S., in March 1923.

Karenni.

This district which formerly consisted of five States now consists of three as two have been amalgamated with others. It has a total area of 3,015 square miles and a population of 58,761. It lies on the south of the Southern Shan States between Siam and the British district of Toungoo. The largest State is Kantarwadi with an area of 3,000 square miles and a population of 30,677 and a revenue of nearly 1½ lakhs of rupees. More than half of the inhabitants are Red Karens. An Assistant Political Officer is posted at Loikaw subject to the supervision of the Superintendent, Southern Shan States, who exercises in practice much the same control over the Chiefs as is exercised in the Shan States though nominally they are more independent than their Shan neighbours. Mineral and forest rights however in Karenni belong to the Chiefs and not to the Government. In the past substantial contributions from Provincial revenues have been made to the Karenni Chiefs for education and medical service. The Chiefs are at present unwilling to surrender their special rights and join the Shan States Federation though very considerable advantages might accrue from their doing so.

The principal wealth of the country used to be in its teak timber and a large alien population was at one time supported by the timber trade. This has largely declined in the last few years and unless the Chiefs are prepared to deny themselves and close their forests they will soon disappear.

JAMMU AND KASHMIR STATE.

The territory known generally as the Jammu and Kashmir State lies between 32° and 37° N and 73° and 80° E. It is an almost entirely mountainous region with a strip of level land along the Punjab Border, and its mountains, valleys and lakes comprise some of the grandest scenery in the world. The State may be divided physically into three areas: the upper, comprising the area drained by the River Indus and its tributaries, the middle, drained by the Jhelum and Kishenganga Rivers, and the lower area, consisting of the level strip along the southern border, and its adjacent ranges of hills. The dividing lines between the three areas are the snow-bound inner and outer Himalayan ranges known as the Zojila and the Panchal. The area of the State is 81,258 square miles. Beginning in the south where the wheat plain of the Punjab ends, it extends northwards to the high Karakoram mountains "Where three Empires Meet."

Briefly described, the State comprises the valleys of the three great rivers of Northern India, viz., the upper reaches of the Chenab and the Jhelum, and the middle reaches of the Indus. The total population is 3,220,518 souls.

History—Various historians and poets have left more or less trustworthy records of the history of the Valley of Kashmir and the adjacent regions. In 1586 it was annexed to the Moghul Empire by Akbar. Srinagar, the Capital, originally known as Pravarapura, had by then been long established though many of the fine buildings said to have been erected by early Hindu rulers had been destroyed by the Muhammadans who first penetrated into the Valley in the fourteenth century. In the reign of Sikandar, who was a contemporary of Tamerlane, a large number of Hindus was converted to Islam. Jehangir did much to beautify the Valley but after Aurangzeb there was a period of disorder and decay and by the middle of the eighteenth century the Suba or Governor of the had become practically independent.

Delhi. Thereafter the country experienced the oppression of Afghan rule until it was rescued in 1819 by an army sent by Maharaja Ranjit Singh. The Sikh rule was less oppressive than that of the Afghans. The early history of the State as it present constituted is that of Maharaja Shri Gulab Singh, a scion of the old Ruling Family of Jammu, who rose to eminence in the service of Maharaja Ranjit Singh of Lahore and was, in recognition of his distinguished services, made Raja of Jammu in 1820. He held aloof from the war between the British and the Sikhs, only appearing as mediator after the battle of Sobroon (1846), when the British made over to him the valley of Kashmir and certain other areas in return for his services in re-establishing peace. His son, His Highness Maharaja Ranbir Singh, GCSI, GCIE, a model Hindu and one of the staunchest allies of the British Government, ruled from 1857 to 1885. He did much to consolidate his possessions and evolve order in the frontier districts. He was succeeded by his eldest son His Highness Maharaja Sir Pratap Singh, GCSI, GCIE, GBE, who died on 23rd December 1925 and was succeeded

by His Highness the present Maharaja Shri Harisinghji Bahadur.

The most notable reform effected in the State during the reign of the late Maharaja was the Land Revenue Settlement originally carried out under Lawrence and revised from time to time.

Administration—For some years after the accession to the *gadi* of the late Maharaja, the administration of the State was conducted by a Council over which the Maharaja presided. In 1905 this Council was abolished and the administration of the State was thenceforward carried on by His Highness the Maharaja with the help of a Chief Minister and a number of Ministers in charge of different portfolios. This system continued until the 24th January 1922 when an Executive Council was inaugurated. Very recently, certain modifications have been introduced in the Constitution as a result of which the contact of His Highness with the administration of the State has become more direct and intimate.

The British Resident has his headquarters at Srinagar and Sialkot and there is also a Political Agent at Gilgit. A British Officer is stationed at Leh to assist in the supervision of the Central Asian Trade with India which passes through Kashmir.

In the Dogras the State has splendid material for the Army which consists of 7,798 troops. Besides this, thousands of Dogras serve in the Indian Army.

Finance—The financial position of the State is strong. The total revenue including jagirs, is about Rs 2,70,00,000, the chief sources being land, forests, customs and excise and Sericulture. There is a big reserve and no debt.

Production and Industry—The population is pre-eminently agricultural and pastoral. The principal food crops are rice, maize and wheat. Oilseed is also an important crop. Barley, cotton, saffron, tobacco, beans, walnuts, almonds and hops are also grown. Pears and apples, the principal fruits of the Valley, are exported in large quantities. The State forests are extensive and valuable. The principal species of timber trees are deodar, blue pine and fir. The most valuable forests occur in Kishtwar, Karnah and Kamraj Ilqas. A survey of the mineral resources of the State is being conducted under an expert. The most noteworthy of the minerals are bauxite, coal, fuller's earth, kaolino, slate, zinc, copper and talc. Gold is found in Baltistan and Gilgit, sapphires in Paddar, aquamarines in Skardu and lead in Uri. The silk filature in Srinagar is the largest of its kind in the world. Manufacture of silk is a very ancient industry in Kashmir. Zain ul-Abidin who ruled from 1421 to 1472 is said to have imported silk weavers from Khurasan and settled them here. Woollen cloth, shawls, papier mâché and wood carving of the State are world famous. The State participated in the British Empire Exhibition of 1924. The Kashmir Court was styled "The Gem of The Smaller Courts" and attracted many visitors.

Communications—Great efforts have been made and are being made towards the improvement of roads for wheeled traffic in the State. The Jhelum Valley road (196 miles) which links the Kashmir Valley with the Punjab and the North-Western Frontier Province is considered to be one of the finest motorable mountain roads in the world.

The Banihal Cart Road, 205 miles long, which has recently been completed, joins Kashmir with the North Western Railway system at Jammu-Tawi and is also a fine motorable road.

Roads for pack animals lead from Srinagar, the summer capital of Kashmir, to the frontier districts of Gilgit and Ladakh. Internal village communications have also been much improved.

The Jammu-Suchetgarh Railway, a section of the Wazirabad-Sialkot branch line of the North Western Railway system, is the only Railway in the State. The mountainous nature of the country has made the extension of the line into the heart of the State so far impracticable.

Public Works—In 1904 a flood spill channel above Srinagar was constructed to minimise the constant danger of floods in the River Jhelum and it was hoped that the danger would be still further reduced by the carrying out of a scheme for lowering a part of the bed of the River Jhelum by dredging, which has been taken in hand. It is interesting to know that dredging operations were once before carried out in the reign of Avantivarman (A.D. 855-883) by his

engineer Suyya near Sopore, with the same object. Good progress has been made with irrigation but the most important scheme of recent years has been the installation of a large Electric Power Station on the Jhelum River at Mihora which was completed in 1907.

Education—Of the total population of 3,259,527 excluding the frontier areas where literacy is not recorded, there are 72,228 persons who are able to read and write, of whom 4,007 only are females. In other words, 28 out of every 1,000 persons aged five or more can read and write. Among males 46 in every 1,000 are literate. The number of educational institutions including two Arts Colleges and two technical institutes is 784 and is being steadily increased. In municipal areas education for boys has been made compulsory from 1929. Much progress has also been made in female education and two new girls' schools have been established during the year.

Reforms—The most important reforms connected with the present Maharaja's reign have been the establishment of an independent High Court of Judicature modelled on British High Courts and the annual summoning of representatives from the provinces as a beginning of popular institutions in the State. Important legislative measures passed by His Highness' Government in recent years include the raising of the age of consent to 14 for girls and 18 for boys and the Agriculturists' Relief Regulation meant to cope with the problem of rural indebtedness.

THE CHAMBER OF PRINCES.

The Narendra Mandal, or Chamber of Princes came into existence, with the earnest co-operation of a number of leading Princes themselves as one of the results of the Report on Indian constitutional reform presented to Parliament by Mr. Montagu, Secretary of State for India and H. E. Lord Chelmsford, Viceroy and Governor General of India, in 1919. The proposal was that the Chamber should exist as a permanent consultative body, with the Viceroy as President and the members composing the Chamber consisting mainly of the Princes and Chiefs having salutes, or whose membership might otherwise be considered desirable by the Viceroy. Certain smaller Chiefs were grouped and were given the privilege of nominating a member to represent them from year to year. The Chamber is a recommendatory body, which performs its functions under a constitution approved by the Secretary of State and it deals with questions submitted to it concerning the Princes and their rights and privileges generally and their position in imperial affairs.

The Chamber was formally inaugurated by H. R. H. the Duke of Connaught on 8th February 1921. It meets regularly once a year and the agenda of subjects for discussion is framed and proposed by the Chancellor of the Chamber who at present is His Highness the Maharajah of Patiala. The Chamber selects by vote its own officers, who are the Chancellor, a pro-Chancellor to act for him in his absence out of India and a Standing Committee of the Chamber. This Committee considers before the annual meetings the subjects to be discussed at them.

Until 1929, the proceedings of the Chamber were considered as confidential and there was no admittance of the general public to its meetings. At the annual session in February 1929, the Princes passed a resolution by which all meetings were ordinarily made open to the public. The Chamber contains very restricted accommodation and admission has to be regulated according to the number of seats available.

Indian States' Tribute.

Many of the States pay tribute, varying in amount according to the circumstances of each case, to the British Government. This tribute is frequently due to exchanges of territory or settlement of claims between the Governments, but is chiefly in lieu of former obligations to supply or maintain troops. The actual annual receipts in the form of tribute and contributions from Indian States are summarised in the following table. The relations of the States to one another in respect of tributes are complicated, and it would serve no useful purpose to enter upon the question. It may, however, be mentioned that a large number of the States of Kathiawar and Gujarat pay tribute of some kind to Baroda, and that Gwalior claims tribute from some of the smaller States of Central India.—

States paying tribute directly to the Government of India

	£
Tribute from Jalpur ..	26,067
„ „ Kotah .	15,648
„ „ Udaipur	13,333
„ „ Jodhpur	6,533
„ „ Bundl .	8,000
„ „ Other States . .	15,170
Contribution of Jodhpur towards cost of Erinpura Irregular Force ..	7,667
„ of Kotah towards cost of Deohi Irregular Force ..	13,333
„ of Bhopal towards cost of Bhopal Levy . . .	10,753
„ of Jaora towards cost of United Malwa Contingent . .	9,142
Contributions towards cost of Malwa Bhil Corps ..	2,280
<i>Central Provinces and Berar.</i>	
Tribute from various States . .	15,696
<i>Burma</i>	
Tributes from Shan States . . .	28,524
„ „ other States . .	1,367
<i>Assam</i>	
Tribute from Manipur . . .	333
„ „ Rambrai . . .	7
<i>Bengal</i>	
Tribute from Cooch Behar . . .	4,514
<i>United Provinces</i>	
Tribute from Benares . . .	14,600
<i>Punjab</i>	
Tribute from Mandi . . .	6,667
„ „ other States . .	3,086
<i>Madras</i>	
Tribute from Travancore . . .	53,333
Peshkash and subsidy from Mysore . . .	232,333
„ „ „ „ Cochin . . .	13,333
„ „ „ „ Travancore . . .	888
<i>Bombay</i>	
Tribute from Kathiawar . . .	31,129
„ „ various petty States . .	2,825
Contribution from Baroda States . . .	25,000
„ „ Jagirdars, Southern Mahratta Country . . .	5,765
Tribute from Cutch . . .	5,484

It was announced at the Coronation Durbar of 1911 that there would in future be no Nazarana payments on successions

Foreign Possessions in India.

Portugal and France both hold small territorial possessions in the Indian Peninsula.

The Portuguese possessions in India, all of which are situated within the limits of Bombay Presidency, consist of the Province of Goa on the Arabian Sea Coast, the territory of Daman with the small territory called Pragan-Nagar-

avelly on the Gujarat Coast, at the entrance to the Gulf of Cambay, and the little island of Diu, with two places called Gogla and Simbor, on the southern extremity of the Kathiawar Peninsula. All these three territories constitute what is called the State of India.

GOA.

Goa forms a compact block of territory surrounded by British districts. Savantwadi State lies to the north of it, the Arabian Sea on the west and North Kanara on the south, and the eastern boundary is the range of the Western Ghats, which separates it from the British districts of Belgaum and North Kanara. The extreme length from north to south is 62 miles and the greatest breadth from east to west 40 miles. The territory has a total area of 1,301 square miles and consists of the *Velhas Conquistas*, or Old Conquests, comprising the island of Goa, acquired by the Portuguese in 1510, and the neighbouring municipalities of Salsette, Bardez, and Mormugao acquired in 1513, and of the *Novas Conquistas*, or New Conquests, comprising the municipalities of Pernem, Sanguelim, Ponda, Quepem, Canacona, Satari and Sanguem acquired in the latter half of the 18th century. The small island of Angediva situated opposite the port of Karwar, in the British district of North Kanara, forms administratively a portion of the Canacona municipality. This was acquired in 1505. The whole country is hilly, especially the eastern portion, the predominating physical feature being the Western Ghats, which besides bounding the country along the north-east and south-east, just off westward and spread across the country in a succession of spurs and ridges. There are several conspicuous isolated peaks, of which the highest, Sonsagar, is 3,827 feet high.

The country is intersected by numerous rivers running westward from the Ghats, and the principal eight, which are all navigable, are in size of some importance. Goa possesses a fine harbour, formed by the promontories of Bardez and Salsette. Half-way between these extremities lies the *cabo*, or cape, which forms the extremity of the island of Goa. This divides the whole bay into two anchorages, known as Aguada and Mormugao. Both are capable of accommodating the largest shipping from September to May, but Aguada is virtually closed during the south-west monsoon, owing to the high winds and sea and to the formation of sand bars across the estuary of the Mandovi river, which opens into Aguada. Mormugao is accessible at all times and is therefore the harbour of commercial importance. It is the terminus of the railway running to the coast from the inland British system of lines. A breakwater and port have been built there and the trade is considerable being chiefly transit trade from British territory. The international transit of Mormugao port was in 1926 about Rs 440 lakhs.

The People

The total population of Goa was 531,952 at the census of 1921. This gives a density of 408 persons to the square mile and the popula-

tion showed an increase of 9 per cent since the census ten years previously. In the Velhas Conquistas the majority of the population is Christian. In the Novas Conquistas Hindus are more numerous than Christians. The Moslems in the territory are numbered in a few thousands. The Christians still very largely adhere to caste distinctions, claiming to be Brahmans, Charados and low castes, which do not intermarry. The Hindus who form about one half of the total population are largely Maratha and do not differ from those of the adjacent, Konkani districts of Bombay. All classes of the people, with the exception of Europeans, use the Konkani dialect of Marathi with some admixture of Portuguese words. The official language is Portuguese, which is commonly spoken in the capital and the principal towns as well as by all educated people. Nearly all the Christians profess the Roman Catholic religion and are spiritually subject to an archbishop who has the titles of Primate of the East and Patriarch of the East Indies and exercises ecclesiastical jurisdiction also over a portion of British India, and the provinces of Macau (China) and Timor (Oceania), with missions in foreign countries and Mocambique (Portuguese East Africa). The Christians of Daman and Diu are subject under a new Treaty signed in 1928 between Portugal and the Holy See to the Archbishop of Goa. There are numerous churches in Goa, mostly built by the Jesuits and Franciscans prior to the extinction of the religious orders in Portuguese territory. The churches are in charge of secular priests. Hindus and Mahomedans now enjoy perfect freedom in religious matters and have their own places of worship. In the early days of Portuguese rule the worship of Hindu gods in public and the observance of Hindu usages were strictly forbidden and rigorously suppressed.

The Country

A little over one third of the entire territory of Goa is stated to be under cultivation. The fertility of the soil varies considerably according to quality, situation and water supply. The Velhas Conquistas are as a rule better and more intensively cultivated than the Novas Conquistas. In both these divisions a holding of fifteen or sixteen acres would be considered a good sized farm but the majority of holdings are of much smaller extent varying from half an acre to five or six acres. The staple produce of the country is rice, of which there are two good harvests, but the quantity produced is barely sufficient to meet the needs of the population for two-thirds of the year. Next to rice, the culture of coconut palms is deemed most important, from the variety of uses to which the products are applied. Hilly places and inferior

The subsequent history of the town is one of ostentation and decay. Goa reached its summit of prosperity at the end of the sixteenth century. The accounts of travellers show that the Goa of those days presented a scene of military, ecclesiastical and commercial magnificence which has had no parallel in the British capitals of India. Portugal, however, with its three millions of population, was too small to defend itself against Spain and maintain at the same time its immense Empire in the four Continents. Albuquerque tried to consolidate Portuguese rule in India by his policy of attracting the conquered Indians and granting them civil and religious liberties. His contemporaries, however, could not understand his far seeing statesmanship and after his death they undid all his work basing their dominion on conquest by the sword and military force and they laboured to consolidate it by a proselytising organisation which throws all the missionary efforts of every other European power in India into the shade. Old Goa, as the ruins of the old capital are called to day, had a hundred churches, many of them of magnificent proportions, and the Inquisition which was a power in the land. The sixty years' subjection to Spain in the 17th century completed the ruin of the Portuguese Empire in the East and though the Marquis of Pombal in the 18th century tried to stave off its decadence, his subordinates in far off India either could not understand or would not carry out his orders and even his strong hand was unable to stop the decline. It was in the 19th century that the colonials began to enjoy full Portuguese citizenship and sent their representatives to the Parliament in Lisbon.

Modern Times

There was frequently recurring fighting and in 1741 the Marathas invaded the neighbourhood of Goa and threatened the city itself. An army of 12,000 men arrived from Portugal at the critical moment. The invaders were beaten off, and the *Novas Conquistas* were added to the Portuguese possessions. In 1844 the shelter given by Goa to fugitives from justice in British territory threatened to bring about a rupture with the British Government at Bombay. In 1852 the Ranes of Satari, in the *Novas Conquistas*, revolted. In 1871 the native army in Goa mutinied and the King's own brother came from Lisbon to deal with the trouble and having done so disbanded the native army, which has never been reconstituted. But another outbreak among the troops took place in 1895 and the Ranes joining them the trouble was again not quieted until the arrival of another special expedition from Lisbon. The Ranes again broke out in 1901 and again in 1912, troops being again imported to deal with the last outbreak, which was only reported concluded in the summer of 1913. There has been no outbreak after that date.

The people on the whole appear to be quite satisfied with the Portuguese connection. There is no agitation for further reforms as in British India and not a sign of disaffection against Portuguese rule. This is chiefly due to the fact that under the present regime the natives of Goa enjoy complete equality with the natives of Por-

tugal, many of the sons of Goa occupying high and responsible positions in Portugal. Thus Elvino de Britto who was Minister of Public Works towards the end of the last century was a native of Goa as was the father of Dr Bettencourt Rodrigues, Minister for Foreign Affairs in General Carmonas dictatorial Government. Natives of Goa are also Dr Almeida Azevedo, the President of the Supreme Court in Lisbon, Dr Creteno Gonsalves, Judge of the same Court and Mr Alberto Xavier, Secretary General of the Ministry of Finance.

Administration

The Lisbon Government by Decree No 3266, dated 27th July 1917, enacted new rules regarding the administration of Portuguese India under an Organic Charter (*Carta Organica*) in force since 1st July 1919. This Charter, regarding civil and financial administration of the colony, was modified by rules Nos 1005 and 1022, dated 7th and 20th August 1920, and decrees Nos 7008 and 7030 dated 9th and 16th October. A new Organic Charter modifying in certain parts the earlier one was granted by Decree No 12499 of 4th October 1926 and is now in force.

The territory of Portuguese India is ruled by one Governor-General, residing in the Capital of the State, at Panjim *alias* Nova-Goa, and is divided into three districts: Goa, Daman and Diu. The last two are each under a Lieutenant-Governor. The district of Goa is under the direct superintendency of the Governor-General.

Subordinate to the Governor-General the following Secretariats are working: Home and Political, Finance, Customs, Education, Military, Naval, Agriculture, Health and Public Works. There are also three special and autonomous Departments, which do not constitute exclusive Secretariats, one of them being the Department of Posts and Telegraphs, the second that of Survey and the third that of the Fiscal of the W I P Railway.

As the principal organ of administration next to the Governor-General and in collaboration with him works a Governor's Council (*Conselho do Governo*) with Legislative and advisory powers. The Council is constituted, in addition to the Governor-General, *ex-officio* President, of four officials (Attorney-General, the Director of Finances, the Director of Civil Administration and the Director of Public Works), five elected members (three representing *Velhas Conquistas* one the *Novas Conquistas* and one the Districts of Daman and Diu) and five members nominated by the Governor-General to represent the minorities, agricultural, commercial and other interests and the press.

In each province of Goa, Daman and Diu, there is a District Council to supervise the Municipalities and other local institutions. The District Council of Goa is composed of the Director of Civil Administration, President, the Government Prosecutor of the Nova-Goa Civil Court, the Deputy Chief Health Officer, the Engineer next to the Director of Public Works, the Deputy Director of Finances, the Chairman of the Municipal Corporation of the Islands, one member elected by the Commercial and Industrial Associations of the district, one member elected by the 60 highest tax payers of Goa, one member elected by the Associations of Land-

owners and Farmers of the District, and one member advocates elected by the Legislative Council among the legally qualified

At Daman and Diu the corresponding body is composed of the local Governor, President, the Government Prosecutor, the Chief of the Public Works Department, the Health Officer, the Financial Director of the district, the Chairman of the Municipal Corporation, two members elected by 40 highest tax payers of the District and one member elected by the Merchants, Industrialists and Farmers of the district

Under the provisions of the above quoted Decree is also officiating in the capital of Portuguese India a administrative court tribunal to take cognizance and decide all litigious administrative matters, fiscal questions and accounts. It is named *Tribunal Administrativo Fiscal e de Contas* and is composed of the Chief Justice as President, four High Court judges, one superior Government officer, who must be a Bachelor of Laws, nominated by the Government and a citizen, who is not an official elected by the Governor General's Council. When matters regarding finances and accounts

come up for decision and discussion the Director of Finances also sits on this Tribunal

Under the presidency of the Governor General the following bodies are also working —

Technical Council of Public Works — Its members are all engineers on permanent duty in the head office, a military officer of high rank in the army or navy, the Director of Finances, the Attorney General, the Chief Health Officer and a Secretary, being a clerk of the Public Works Department appointed by the Director of Public Works

Council of Public Instruction — This Council presided over by the Governor General is composed of five officials the Director of Civil Administration, the Director of the Medical College, the Director of the Lyceum, the Director of the Normal School and the Inspector of Primary Schools, and four nominated members

There is one High Court in the State of India with five Judges and one Attorney-General, and Courts of Justice at Panjim, Margao, Mapusa, Bicholim, Quepem e Damão, and Municipal Courts of Justice at Mormugão (Vasco da Gama), Pondá, Diu and Nagar-Aveli

PORT OF MORMUGAO.

Mormugão is situated towards the south of Aguada Bar, on the left Bar, on the left bank of Zuari River in Lat 15° 25' N and Long 73° 47' E, about 225 miles south of Bombay, and 6½ miles south of Panjim, the Capital of Portuguese India. The Port of Mormugão is the natural outlet to the sea for the whole area served by the M & S M Ry. (metre gauge), and offers the shortest route both passenger and goods traffic. The distance from Aden to Mormugão is about the same as from Aden to Bombay. The Port is provided with light-houses, buoys and all necessary marks and it is easily accessible all the year round and at any hour of the day or night even without the assistance of a Pilot. Pilotage is not compulsory, but when usual pilot flag is hoisted, a qualified officer will board the vessel and render such assistance

Mormugão Harbour is the terminal station of the West of India Portuguese Railway which is controlled by the Madras and Southern Mahratta Railway Company, with headquarters at Madras. Goods are shipped direct from Mormugão to any Continental Ports, every facility being afforded for such direct shipments. Cargo can be unloaded from or loaded direct into Railway wagons, which run alongside steamers, thus reducing handling. Warehouses are built on the quay and have railway sidings alongside. Steamers of over 5,000 tons net register, from any Continental Ports can be discharged or loaded rapidly and in complete safety, in a working day of 10 hours 650 tons iron work or 800 tons bale or bag cargo can easily be loaded or discharged. The port is provided with steam cranes and all other appliances for quick loading and discharging of vessels, one of the cranes being of 30 tons capacity for discharging heavy lifts. The tonnage, quay dues and all other charges are very low, special concessions being granted for steamers arriving from European or American Ports touching Lisbon. Fresh water can be obtained at a low cost

The Bombay Steam Navigation Company's (Shepherd) steamers between Bombay and Mangalore call at Mormugão twice a week. The British India Steam Navigation Company's steamers between Bombay and Africa call at Mormugão at least once a month. The Herman Strick Line maintains a regular service from Liverpool to Mormugão calling occasionally at Lisbon. This service offers every facility for shipment from the United Kingdom to stations on the M & S M Railway under the "Combined Sea and Rail Through Bills of Lading". There are several stevedoring firms, the maximum rate for discharging or loading coal and general cargo being fixed by Government at 6 annas per ton, deadweight. Goods for British India pass through Goa without any charge being collected by Portuguese Government. British Customs duty payable at Castle-Rock can be paid by the Railway Company and collected at destination. Goods from stations on the M & S M Ry. System to Mormugão or vice versa are railed without transshipment, thus avoiding a second handling. Steam tugs, barges, etc., for unloading in the stream can be had at a very low charge

With a view to promoting the economical, commercial and industrial development of Mormugão, a special Department under the designation of the "Mormugão Improvement Trust" with its head office at Vasco da Gama, 2 miles from Mormugão Harbour, has been created and the Local Government have introduced various regulations granting every facility to those intending to raise buildings for residential and industrial purposes in the whole area, comprising about 300 acres, near the Harbour. There are over 2,000 plots, each measuring between 1,000 and 2,000 square metres (each square yard—0.8361 square metre), available for residential quarters, granted on permanent lease on each payment of 2 annas to Rs 1-8 per square metre, according to their situation, in addition to an annual payment of 4 pies per square metre as lease-hold rent.

Within about 60 days from the date of application for a plot, the same is made over to the applicant or to the highest bidder, should there be more than one applicant for one and the same plot. The plan of buildings is in all cases subject to the approval of the Chairman of the Improvement Trust, such plan being required to be submitted within 60 days from the date the plot is made over to the lessee, and the period within which building is to be completed is 2 years. Importation of building materials is allowed free of Custom duties. In addition to the above, there is an extensive area available and reserved only for Industrial and Commercial Establishments, this area being known as "Free Zone." Within this "Free Zone," in addition to plots, which are leased at a very low rate for building factories, bonded warehouses or for establishment of any kind of industrial or commercial concerns, in accordance with rules and regulations lately issued by the local Government, special concessions and privileges are granted, such as

(I) *For Establishment of Factories or Industrial Concerns*—All machinery, building materials, tools, raw materials, etc., required for construction, maintenance and regular working

of the Factories are permitted free of import duty, likewise export of the goods manufactured within the "Free Zone."

(II) *For Establishment of Depots of Manufactured or Unmanufactured Goods, Bonded Warehouses, etc., etc.*—All goods imported by the Concessionaire for the purpose of such depot are allowed to be exported to any Foreign territory, after being improved and repacked, if necessary, without payment of either import or export duty.

(III) *Exemption of Government Taxes*—In addition to the above privileges, all Factories, Commercial Establishments, buildings, etc., within the "Free Zone" are exempt from all Government taxes for a period of 20 years from May 1923. Applications for any of the above concessions have to be addressed to H E the Governor-General of Portuguese India and presented at the office of the Mormugao Improvement Trust at Vasco da Gama, giving therein full particulars of the area and plot, etc., required. Such applications are disposed of within as little time as possible. Full information can be obtained from the Mormugao Improvement Trust, Vasco da Gama.

DAMAN.

The settlement of Damán lies at the entrance to the Gulf of Cambay, about 100 miles north of Bombay. It is composed of two portions, namely, Damán proper, lying on the coast, and the detached pargana of Nagar Aveli, separated from it by a narrow strip of British territory and bisected by the B B & C I Railway. Damán proper contains an area of 22 square miles and 26 villages and has a population (1921) of 17,566 of whom 1,480 are Christians. The number of houses is according to the same census 4,095. Nagar Aveli has an area of 60 square miles and a population (1921) of 31,048, of whom only 271 are Christians. The number of houses is 6,069. The town of Damán was sacked by the Portuguese in 1531, rebuilt by the natives and retaken by the Portuguese in 1558, when they made it one of their permanent establishments in India. They converted the mosque into a church and have since built eight other places of worship. The native Christians adopt the European costume, some of the women dressing themselves after the present European fashion, and others following the old style of petticoat and mantle once prevalent in Spain and Portugal.

The soil of the settlement is moist and fertile, especially in Nagar Aveli, but despite the

case of cultivation only one twentieth part of the territory is under tillage. The principal crops are rice, wheat, the inferior cereals of Gujarat and tobacco. The settlement contains no minerals. There are stately forests in Nagar Aveli, and about two thirds of them consist of teak, but the forests are not conserved and the extent of land covered by each kind of timber has not been determined. Before the decline of Portuguese power in the East, Damán carried on an extensive commerce especially with the east coast of Africa. In those days it was noted for its dyeing and weaving.

The territory forms for administrative purposes a single district and has a Municipal Chamber and Corporation. It is ruled by a Governor invested with both civil and military functions, subordinate to the Governor-General of Goa. The judicial department is administered by a judge, with an establishment composed of a delegate of the Attorney-General and two clerks. In Nagar Aveli the greater part of the soil is the property of the Government, from whom the cultivators hold their tenures direct. A tax is levied on all lands, whether alienated or the property of the State. The chief sources of revenue are land-tax, forests, excise and customs duties.

DIU.

Diu is an island lying off the southern extremity of the Kathiawar Peninsula, from which it is separated by a narrow channel through a considerable swamp. It is composed of three portions, namely, Diu proper (island), the village of Gogla, on the Peninsula, separated by the channel, and the fortress of Simbor, about 5 miles west of the island. It has a small but excellent harbour, where vessels can safely ride at anchor in two fathoms of water and owing to the great advantages which its position offers for trade with Arabia and the Persian Gulf, the Portuguese were fired at an early period with a desire to obtain possession

of it. This they gained, first by treaty with the Sultan of Gujarat and then by force of arms. Diu became opulent and famous for its commerce. It has now dwindled into insignificance. The extreme length of the island is about seven miles and its breadth from north to south, two miles. The area is 20 square miles. The population of the town of Diu, from which the island takes its name, is said to have been 50,000 in the days of its commercial prosperity. The total population of the island, according to the census of 1921, is 13,844, of whom 228 were Christians.

FRENCH POSSESSIONS

The French possessions in India comprise five Settlements, with certain dependent lodges, or plots. They aggregate 203 square miles, and had a total population on the 26th Feb 1931 of 286,110. The first French expedition into Indian waters, with a view to opening up commercial relations, was attempted in 1603. It was undertaken by private merchants at Rouen, but it failed, as also did several similar attempts which followed. In 1612 Cardinal Richelieu founded the first Compagnie d'Orient, but its efforts met with no success. Colbert reconstituted the Company on a larger basis in 1664, granting exemption from taxes and a monopoly of the Indian trade for fifty years. After having twice attempted, without success, to establish itself in Madagascar, Colbert's Company again took up the idea of direct trade with India and its President, Caron, founded in 1668 the Compagnie, or agency at Surat. But on finding that city unsuited for a head establishment he seized the harbour of Princesmole in Ceylon from the Dutch. The Dutch however, speedily retook Princesmole, and Caron passing over to the Coromandel coast in 1672, seized St Thome, a Portuguese town adjoining Madras, which had for twelve years been in the possession of Holland. He was, however, compelled to restore it to the Dutch in 1674.

The ruin of the Company seemed impending when one of its agents, the celebrated François Martin, suddenly restored it. Rallying under him a handful of sixty Frenchmen saved by the wreck of the settlements at Trincome and St Thome, he took up his abode at Pondicherry, then a small village, which he purchased in 1683 from the Raja of Gingee. He built fortifications, and a trade began to spring up, but he was unable to hold the town against the Dutch, who wrested it from him in 1693 and held it until it was restored to the French by the Peace of Ryswick, in 1697. Pondicherry became in this year and has ever since remained, the most important of the French Settlements in India. Its foundation was contemporaneous with that of Calcutta. Like Calcutta, its site was purchased by a European Company from a native prince, and what Job Charnock was to Calcutta, François Martin proved to Pondicherry. On its restitution to the French by the Peace of Ryswick in 1697, Martin was appointed Governor, and under his able management Pondicherry became an entrepot of trade.

Chandernagore, in Lower Bengal, had been acquired by the French Company in 1688, by grant from the Delhi Emperor, Mahé on the Malabar Coast, was obtained in 1725, under the government of M Lenoir, Karikal, on the Coromandel Coast, under that of M Dumas, in 1739. Yanaon, on the coast of the Northern Circars, was taken possession of in 1750, and formally ceded to the French two years later.

Administration

The military command and administration in chief of the French possessions in India are vested in a Governor, whose residence is at Pondicherry. The office is at present held by Monsieur George Bourret (François Adrien). He is assisted

by a Chief Justice and by several "Chefs de Service." In the different administrative departments. In 1879 local councils and a communal general were established, the members being chosen by a sort of universal suffrage within the French territories. Seventeen Municipalities, or Communal Boards, were created in 1907, namely, Pondicherry, Ariancour, Modighereth, Oulzarit, Villenour, Jurothouan, Bithour and Settupicam, for the establishment of Pondicherry, Karikal, Naray, Nedoumadon, Trinamar Grande Alder, Cotery for the establishment of Karikal and also Chandernagore, Mahé and Yanaon. On municipal boards natives are entitled to a proportion of the seats. Civil and criminal courts, courts of first instance and a court of appeal compose the judicial machinery. The Governor and his staff connected with the Governor and his staff at Pondicherry and those of administrators at Chandernagore, Yanaon, Mahé and Karikal, together with other headquarters charge necessarily engage a large proportion of the revenue. All the state and dignity of an Independent Government with four dependent ones have to be maintained. This is effected by rich economy, and the prestige of the French Government is also maintained in the East. Pondicherry is also the scene of considerable religious pomp and missionary activity. It forms the seat of an Archbishop with a body of priests for all French India, and of the Missions étrangères, by the Jesuits of the Mission du Carnatic founded in 1776. But the chief field of this mission lies outside the French Settlements, a large proportion of its Christians are British subjects and many of the churches are in British territory. The British rupee is the ordinary tender within French territories. A line of railway running via Villenour, from Pondicherry to Villupuram on the South Indian Railway maintains communication with Madras and the rest of British India, and Karikal is linked to the same railway by the branch from Peralam. A Chamber of Commerce consisting of fifteen members, nine of them Europeans or persons of European descent, was reorganised by a decree of 7th March, 1914. The capital, Pondicherry, is a very handsome town, and presents, especially from the sea, a striking appearance of French civilisation.

People and Trade

The Settlements are represented in Parliament at Paris by one senator and one deputy. The Senator is Mons Lemoigne. The Deputy is Mons Pierre Dupuy. There were in 1932 59 primary schools and 3 colleges, all maintained by the Government, with 308 teachers and 9,263 pupils. Local revenue and expenditure (Budget of 1932) Rs 2,694,019. The principal crops are paddy, groundnut, and ragi. There are at Pondicherry 3 cotton mills, and at Chandernagore 1 jute mill. There are cotton mills have, in all 1,691 looms and 71,744 spindles, employing 7,450 persons. There are also at work one oil factory and a few oil presses for groundnuts, and one ice factory.

The chief exports from Pondicherry are oil seeds. At the ports of Pondicherry, Karikal and Mahé in 1931 the imports amounted to frs. 96,215,000 and the exports to frs. 173,075,000. At these three ports in 1931 271 vessels entered and cleared, tonnage 81,553 T. Pondicherry is

visited by French steamers, sailing monthly between Colombo and Calcutta in connection with the Messageries Maritimes. The figures contained in this paragraph are the latest available and are corrected up to December 1931.

PONDICHERRY.

Pondicherry is the chief of the French Settlements in India and its capital is the headquarters of their Governor. It is situated on the Coromandel Coast 105 miles from Madras by road and 122 by the Villupuram Pondicherry branch of the South Indian Railway. The area of the Settlement is 115 square miles and its population in the 26th Feb. 1931 was 183,555. It consists of the eight communes of Pondicherry. The Settlement was founded in 1674 under François Martin. In 1692, it was captured by the Dutch but was restored in 1699. It was besieged four times by the English. The first siege under Admiral Boscawen in 1745 was unsuccessful. The second under Sir Coote in 1761, resulted in the capture of the place, which was restored in 1765. It was again besieged and captured in 1778 by Sir Hector Munro and the fortifications were demolished in 1779. The place was again restored in 1785 under the Treaty of Versailles of 1783. It was captured a fourth time by Colonel Braithwaite in 1793, and finally restored in 1816.

The Settlement comprises a number of isolated pieces of territory which are cut off from the main part and surrounded by the British District of South Arcot, except where they border on the sea. The Collector of

South Arcot is empowered to deal with ordinary correspondence with the French authorities on these and kindred matters, and in this capacity is styled the Special Agent. At Pondicherry itself is a British Consular Agent accredited to the French Government, who is usually an officer of the Indian Army. The town is compact, neat and clean and is divided by a canal into two parts: the *Ville blanche* and the *Ville noire*. The *Ville blanche* has a European appearance, the streets being laid at right angles to one another with trees along their margins reminding the visitor of continental boulevards, and the houses being constructed with courtyards and embellished with green ventillans. All the cross streets lead down to the shore, where a wide promenade facing the sea is again different from anything of its kind in British India. In the middle is a screw pile pier, which serves, when ships touch at the port, as a point for the landing of cargo, and on holidays as a general promenade for the population. There is no real harbour at Pondicherry, ships lie at a distance of about a mile from the shore, and communication with them is conducted by the usual *masula* boats of this coast. Facing the shore end of the pier is a statue of the great Duplex, to whom the place and the French name owed so much.

CHANDERNAGORE.

Chandernagore is situated on the bank of the Hooghly, a short distance below Chinsura. Population (in the 26th Feb. 1931) 27,262. The town was permanently occupied by the French in 1688, though previously it had been temporarily occupied by them at a date given as 1672 or 1676. It did not, however, rise to any importance till the time of Duplex. It changed hands between British and French various times during the Napoleonic wars and was finally restored to the French in 1816.

The former grandeur of Chandernagore has

disappeared, and at present it is little more than a quiet suburban town with little external trade. The railway station on the East Indian Railway is just outside French territory 22 miles from Calcutta (Howrah). The chief administrative officer is the Administrator who is subordinate to the Governor of the French Possessions. The chief public institution is the College Duplex, formerly called St. Mary's Institution, founded in 1882 and under the direct control of the French Government.

KARIKAL.

Karikal lies on the Coromandel Coast between the Tanjore District of Madras and the Bay of Bengal. The settlement is divided into six communes, containing 110 villages in all, and covering an area of 53 square miles. It is governed by an Administrator subordinate to the Governor at Pondicherry. The population has in recent years rapidly decreased. In 1881 it was 93,055, in 1891, 75,526, in 1901, 54,603, in 1923, 57,023, in 1924, 56,922, and in 1931, 57,914, but the density is still very high, being 1,068 persons per square mile. Kumbakonam is the only taluk in Tanjore District which has a higher density. Each of the six communes—namely, Karikal, La Grande Aldee, Nedungadu, Cotchery, Naravy and Tirunelur—possesses a mayor and council. The members are all elected by

universal suffrage, but in the municipality Karikal half the number of seats are reserved for Europeans or their descendants. The country is very fertile, being irrigated by seven branches of the Cauvery, besides many smaller channels.

The capital of the settlement is situated on the north bank of the river Arasalar, about 1½ miles from its mouth. It has a brisk trade in rice with Ceylon, and to a less extent with the Straits Settlements. It has no commerce with France, and very little with other French colonies. The port is merely an open roadstead, provided with a light-house 142 feet high, the light in which has a range of from 8 to 10 miles. In 1899 Karikal was connected with Peralam on the Tanjore District Board Railway. Karikal finally came into French possession on the settlement after 1816.

The Frontiers.

By those who take a long view of politics in the wide sense of the term, it will be seen that the Indian frontier problem, which has loomed so large in the discussion of Indian questions, has always borne a two fold character—the local issue and the international issue. For almost a century the international issue was the greater of the two, and the most serious question which the Indian Government, both directly and as the executors of British Imperial policy, had to face. But the tendency of later times was for the international aspect to recede and for the local aspect to grow in importance, until it might be said, with as much truth as characterises all generalisations, that the local issue dominated, if it did not absorb the situation.

The Local Problem—The local problem, in its broadest outlines, may be briefly indicated before proceeding to discuss it in detail. From the Arabian Sea on the West to the confines of Nepal is a wild and troublous sea of some of the highest mountains in the world. The thin valleys in these immense ranges are poorly populated by hardy, brave, militant mountaineers, rendered the fiercer and the more difficult by professing the martial Moslem faith, accentuated by the most bitter fanaticism. But sparse as the population is, it is in excess of the supporting power of the country. Like mountaineers in all parts of the world, these brave and fearless men have sought to eke out their exiguous agriculture by raiding the rich plains of Hindustan. We may find a fairly close parallel to the situation in the position of the Highlands of Scotland until after the rebellion of 1745 the English Government of the day sought a permanent remedy by opening for the warlike Highlanders a military career in the famous Highland regiments, and in rendering military operations easier by the construction of Wade's road. The Highland problem has disappeared so long from English politics that its pregnant lessons are little realised, but if the curious student will read again that brilliant novel by Neil Munro, "The New Road," he will appreciate what Wade's work meant for the Highlands of Scotland, and what lessons it teaches those who are called upon to face, in its local aspect, the Indian frontier problem. So far as the area with which we are dealing was concerned, two policies were tried. In Baluchistan, the genius of Sir Robert Sandeman devised the method of entering into military occupation of the principal points, and thence controlling the country. At the same time close engagements were entered into with the principal chiefs, through whom the tribesmen were kept in order. That policy was so successful that whilst the administration was expensive the Baluchistan frontier did not seriously embarrass the Government of India from the time when Sandeman set his mark on the land. Not that the country was entirely peaceful. Occasional tribal raids or risings necessitated occasional military operations, and the Gomal Pass was involved in the general tribal disturbances which followed the wanton declaration of war by Afghanistan

in 1910. But speaking broadly, Sandeman brought peace to Baluchistan, and to the large frontier area which is embraced in that generic term. So far as this section of the frontier is concerned it may be said that no frontier problem exists, save the need for an economical and constructive policy.

Towards Afghanistan—Far other it has it until lately been with the section of the frontier which stretches from Baluchistan to the confines of Kashmir. That has, for three quarters of a century, been the scene of almost ceaseless military operations, which have constituted a devastating drain on the Indian exchequer. For years one sought for a definite policy guiding the actions of the Government of India. One explanation of their inconsistent tendencies was found in the existence of two schools of thought. Once the frontier with Afghanistan had been delimited, the soldiers naturally pressed for the armed occupation of the whole country right up to the confines of Afghanistan, or at any rate for military posts, linked with good communications, which would dominate the country. But those who looked at policy not only from the military standpoint, were fearful of two considerations. They felt that occupation up to the Afghan frontier would only shift the frontier problem farther North. Instead of the differing tribes, we should, they argued, have to meet the Afghan on our border line. If Afghanistan were a strong, homogeneous State, that would be a matter of little account. But even under the iron rule of Abdurrahman Khan, the Amirs writ ran but lightly in the southern confines of his kingdom. Under his successor, Habibullah Khan whose policy was generally wise and successful, it ran still less firmly. The Amir was unable to control the organisation of the tribal gatherings which involved us in the Zakka Khel and Mohmand expeditions during the Indian secretarship of that arch pacifist, Lord Morley. Nor did it enable Habibullah to deal effectively with a rising against his own Governor in Khost. The Afghan forces melted away under transport difficulties when they were moved against the rebellious Khostwails, and the Amir had to make peace with his troublesome vassals. Therefore, it was said, occupation up to what is called the Durand Line because it is the line demarcated by the Frontier Commission in which Sir Mortimer Durand was the British Plenipotentiary, would simply mean that in time of trouble we should have to deal with Afghanistan instead of a tribe or two, and with the irreconcilable tribesmen along our difficult line of communications. There was the further consideration that financiers were of the fixed belief that even if the Forward Policy was wise from the military standpoint, it would involve charges over an indefinite period greater than the Indian finances would bear. Moreover on this section of the frontier, the position was complicated by the expansion of Russia in Central Asia. The easiest passes, and the passes down which for centuries from the time of Alexander the Great invaders

have swept from Persia and Central Asia to loot the fat plains of Hindustan, traverse this region. Therefore it was deemed essential to control, if not to occupy them, in the interests of the Imperial situation. In this zone therefore policy ebbed and flowed between the Forward School, which would have occupied, or dominated, the whole Frontier up to the Durand Line, that is to say up to the Afghan frontier and the Close Border School, which would have us remain out of the difficult mountainous zone and meet the tribesmen on the plains if they sallied forth. The extreme advocates of this school would even have had us return to the line of the Indus.

The Two Policies — The result of this conflict of opinion was a series of wavering compromises, which like all compromises was profoundly unsatisfactory. We pushed forward posts here and there, which irritated the Tribesmen and made them fearful of their prized independence, without controlling them. These advanced posts were in many cases inadequately held and rarely were they linked with their supporting posts by adequate means of communication. We preserved between our administrative frontier and the Durand Line which demarcated our frontier with Afghanistan an irregular belt of land called The Independent Territory, in which neither we nor the Afghan Government exercised jurisdiction. This was left entirely under the control of the tribes who peopled it. Now it was often asked why we did not follow the precedent of Baluchistan and "Sandemanise" the Independent Territory. That was one of the perennial topics of Frontier discussions. But stress was laid upon the essential differences between this zone and Baluchistan. Sir Robert Sandeman found a strong tribal system existing in Baluchistan, and he was able to enter into direct engagements with the tribal Chiefs. There is no such tribal organisation in the Independent Territory. The tribal Chiefs, or maliks, exercise a very precarious authority, and the instrument for the collective expression of the tribal will is not the chief, but the jirgah, or tribal council, of the most democratic character, where the voice of the young men of the tribe often has the same influence, in time of excitement perhaps more influence, than the voice of the wiser greybeard. The bitter fruit of this policy of compromise was reaped in 1897, when following a minor outbreak in the Tochi Valley the general uneasiness flamed into a rising which involved the whole of the North-West Frontier, from the Gomal to the borders of Nepal. A force over thirty thousand strong had to be mobilised to deal with it. Even this large force, owing to the immense difficulties of transportation, was unable effectively to deal with the situation, though peace was made. The emergency thus created synchronised with the advent of Lord Curzon as Viceroy. He dealt with it in masterful fashion. In the first place, he separated the frontier zone from the Government of the Punjab, which had hitherto been responsible for its administration, and had organised for the purpose a special force of Frontier soldiers, known as the Punjab Irregular Frontier Force. This was the revival of a scheme as old as the Viceroyalty of Lord Lytton, though no other Viceroy had been able to carry it through in the face of the strong opposition of successive Punjab Governments. The area so separated was

constituted into a separate administrative zone under the direct authority of the Government of India, exercised through a Chief Commissioner. Then Lord Curzon withdrew the advanced military posts and concentrated the Regular troops in bases better linked with the main military centres of India by roads and railways. The advanced posts, and especially important Passes like the Tochi, the Kurram and the Khyber, were entrusted to the defence of local militia, recruited from the tribesmen themselves, and officered by British officers drawn from the ranks of the Indian Army. Later it was supplemented by a fine development policy. The construction of the Upper Swat Canal, afterwards developed into the Swat Canal (q v Irrigation) led to such an increase in cultivation that the tribesmen were given a means of livelihood and were invested with the magic charm of valuable property. The irrigated part of the Frontier has since been one of the most peaceful in the whole border line.

Lord Curzon's Success — Judged by every reasonable standard the Curzon policy was successful. It did not give us complete peace. There were occasional punitive expeditions demanded, such as for instance the Zakka Khel and Mohmand expeditions, and the Waziris, and in particular the truculent Mahsud Waziris never ceased raiding. But in comparison with what had gone before, it gave relative peace. It endured throughout the Great War, though the Waziris built up a heavy bill of offences, which awaited settlement when Government were free from the immense preoccupations of the war. It broke down under the strain of the wanton invasion of India by the Afghans in the hot weather of 1919. On February 20th the Amir Habibullah Khan was assassinated in his sleep near Jelalabad. Although he does not figure so prominently in frontier history as his iron father Abdurrahman Khan, he nevertheless has high claims on the favourable verdict of history. None anticipated that any successor to Abdurrahman Khan could hold in the leash of a single State the fractious, fanatical tribes who make up the population of the Afghan kingdom. Yet this Habibullah did. On occasions his attitude seemed to be equivocal, as when armed gatherings of the tribes called lashkars were permitted to assemble in Afghan territory and to invade the Independent Territory, causing the Zakka Khel and Mohmand expeditions. But we must not judge a State like Afghanistan by European standards, the Amir had often to bow before the fanatical elements amongst his own people until they had burnt their fingers by contact with the British troops. At the outset of the Great War he warned the Government that he might often have to do things which seemed unfriendly, but they must trust him. In truth, the position of the Amir when Turkey entered on the war, and called Moslems everywhere to arms on the side of Germany was extraordinarily difficult, he received Turkish, German and Austrian missions in Kabul, from which British representatives were still excluded. But he kept Afghanistan out of the war, and with the complete defeat of the Central Powers and their satellites, his policy was justified up to the hilt. Indeed, his success was the cause of his assassination. The irreconcilable elements in the Kingdom saw that the day of reckoning had come and strove

to avert the settlement of their account by the murder. When he was done to death, his brother, Nasrullah Khan, was proclaimed Amir by the assassins. But the conscience of Afghanistan revolted against the idea of Nasrullah, the arch-fanatic of the ruling House of Kabul, ascending the throne over the blood-stained corpse of his brother. A military movement in Kabul itself brushed him aside and installed the son of Habibullah, Amanullah Khan, on the throne. But Amanullah Khan soon found it was a thorny bed on which he lay, and encouraged by the disorders in India which followed the passing of stringent measures to deal with anarchy and crime, set his troops in motion on April 25, 1919, and preaching a *ghad* promised his soldiery the traditional loot of Hindustan. The Indian Army was at once set in motion, and as has always been the case the regular Afghan Army was easily beaten. Dacca was seized, Jelalabad and Kabul were frequently bombed from the air, and there was nothing to prevent our occupation of Kabul, save the knowledge gleaned from the bitter heritage of the wars of 1855 and 1878, that it is one thing to overthrow a government in Afghanistan, but it is quite another to set up a stable government in its stead. The Government of India wisely held their hand and the Afghans having sued for peace, a treaty was signed on the 8th August 1919.

But an untoward effect of this wanton war was to set the Frontier from the Gomul to the Khyber ablaze. With one or two exceptions, the Tribal Militia left without the support of the regular troops who in the emergency ought to have been hastened to their succour, could not stand the strain of an appeal from their fellow tribesmen, and either melted away or joined the rising. This has often been described as the failure of the Curzon policy, which was based on the tribal militia. But there is another aspect to this issue, which was set out in a series of brilliant articles which Mr. Arthur Moore, its special correspondent, contributed to *The Times*. He pointed out that the militia was meant to be a military police force. The lapse of time, and forgetfulness of its real purpose, had converted the militia into an imitation of the regular army. The Militia was meant to be a police. When the war broke out its units were treated as a covering force behind which the Regular Army mobilised. This is a role which it was never intended they should serve, exposed to a strain which they should never have been called upon to bear, they crumpled under it. If on the outbreak of trouble troops had promptly hurried to their support all might have been well. Left to look after themselves, with no sign of support, they found themselves too weak to hold their positions and militarily their only course was to retire from the midst of their own kinsmen as the seal of revolt surged towards them. They would not take it.

Russia and the Frontier—The Curzon policy was up to the time of its collapse greatly assisted by extraneous events. The greatest external force in moulding Indian frontier policy was the long struggle with Russia. For nearly three quarters of a century a veiled warfare for predominance in Asia was waged between Great Britain and Russia. There are few pages

in British foreign policy so attractive to the student of Imperial affairs. Russia was confronted in Central Asia with precisely the same conditions as those which faced England in India when the course of events converted the old East India Company from a trading corporation into a governing body. The desiring khanates of Central Asia were impossible neighbours. Confronted with an inferior civilisation, and with neighbours who would not let her alone, Russia had to advance. True, the adventurous spirits in her armies, and some of the great administrators in the Far East, capital were not adverse to paying off on the Indian Borderland the score against Great Britain for the Crimean War, and for what the Indians thought was depriving them of the fruit of their costly victory over Turkey in 1877-78. The result was a long and unsatisfactory *sufr* enterprise between the hostile spirits on both sides accompanied by periodic panics in the British Press each time the Russians moved forward, which induced the colonials, after the Russian occupation of Merv, of the generic term 'Mervoums'. This external force involved the Government of India in the humiliations of the Afghan War of 1842 with the tragic destruction of the retreating Indian force between Kabul and Jelalabad, slightly relieved by the heroic defence of Jelalabad and the firmness of General Pollock in refusing to withdraw the punitive army until he had set his mark on Kabul by the razing of the famous Babur fortress. It involved us in the second Afghan War of 1878, which left the baffling problem of no stable government in Afghanistan. There was a gleam of light when Abdurrahman Khan, whom we set upon Kabul to relieve us of our perplexities, proved himself a strong and capable ruler, if one ruthless in his methods. But in the early eighties the two States were on the verge of war over a squabble for the possession of Peshawar, and then men began to think a little more clearly. There began a series of boundary delimitations and agreements which clarified the situation without however finally settling it. The old controversy broke out in another form when intrigues with a Burmese monk, Dorjeff, during Lord Curzon's viceroyalty, gave rise to the grave suspicion that the scene had only shifted to Tibet. An expedition to Thasarent veiled which had so long concealed the mysterious city and dispersed the miasma of this intrigue. But it was not until the conclusion of the Anglo-Russian agreement of 1907 that the two countries arrived at a stage long sought by those who looked beyond their noses. The actual authors of the Agreement were Lord Grey, the Foreign Secretary, and Lord Hardinge, formerly British Ambassador in Petrograd, but it had been desired by their predecessors, whose efforts were rendered nugatory by the intransigent attitude of the dominant forces in Petrograd. It was not until Russia was chastened on the battlefields of Manchuria by Japan, and disappeared as a sea power in the decisive battle of Tsushima, that an atmosphere was created favourable to the conclusion of an Agreement. This embraced the whole frontier zone. There were many unsatisfactory features in the Agreement, especially in regard to Persia, for which we had to pay a considerable price in the attitude

of Persians, in the War. But again taking long views, the Agreement fully justified itself in a broad definition of the interest of the two countries, which put an end to the period of excursions and alarms up to the outbreak of the War. Russia then ceased to be a material factor in the Indian Frontier Problem. With the establishment of the Soviet Oligarchy in Moscow uneasiness has returned, for the geographical and allied circumstances which influenced the policy of the Tsarist regime exert precisely the same pressure upon its successor, and the Soviet have a troublesome motive which the Tsars had not: their aim to produce world revolution is avowed, and Britain and the Constitutionalism for which she stands are the greatest obstacles in their path.

German Influence—As nature abhors a vacuum, so in the case of States bordered by higher civilisations, no sooner does one strong influence recede than some other takes its place. Long before the signing of the Anglo-Russian Agreement the shadow of the German menace had begun to appear on the horizon. Imitative, not creative, in this, as in most other activities, the Germans adapted their methods from the penetration by railway which was so marked a feature of Russian expansion in Manchuria, brought to an end by the disastrous issue of the war with Japan. The seeds of the German effort were sown when the Kaiser, extending the hand of Christian fellowship to the Sultan of Turkey, Abdul-Hamid, at a time when that sovereign was ostracised by Europe for his direct complicity in the massacre of Armenians, or rather one of the massacres of Armenians, made German influence supreme at Constantinople. His theatrical tour through Palestine, which was generally treated in Europe as an exhibition of opera bouffe, soon bore fruit in the acquisition by German interests of the principal railways in Anatolia. Later it fructified more effectively in the Baghdad Railway concession, under which German interests secured the right of extending the Anatolian lines from the port of Haider Pasha, opposite Constantinople, to a port in the Persian Gulf. Now successive British Statesmen of both parties had declared that the acquisition of a territorial foothold in the Persian Gulf by any power—Russia and the port of Bunder Abbas being then in view—would be regarded as an unfriendly act. There followed a reprieve of the period of alarms and excursions which had disfigured our relations with Russia. Undaunted, even when their endeavour to secure British co-operation in the enterprise failed, and when the Revolution in Turkey which set the Committee of Union and Progress in power entailed a temporary interruption of their influence at Constantinople, the Germans pressed forward with their enterprise. They pushed the Anatolian railways as far east as Bourguulu, and constructed a line northwards from Baghdad to Samarra. They sent a mission to explore the potentialities of the port of Koweit in the Persian Gulf, and set the Turks in motion to subordinate the Sheikh of Koweit to direct Turkish sovereignty, with a nominal view to extending the Baghdad railway from Basra to Koweit, or the vicinity of Koweit at the deep water inlet behind Bubiya Island. They commenced the most difficult part of the work in piercing the Amanus and Taurus

ranges by a series of tunnels, and laid the rails on the other side of the mountains across the Euphrates to Ras al-Ain. Behind this railway activity stood a grandiose policy, which is indicated in what became known in Germany as "B B B"—Berlin, Byzantium, Baghdad. Throughout the progress of these schemes, which did not stop short of Baghdad, but were directed through a port in the Persian Gulf, at India, the Germans were anxious to secure the co-operation of Great Britain, if they could do so on their own terms, that is to say without affecting the enterprise as a dominant German adventure. Shortly before the commencement of the war the protracted negotiations with London which had this end in view ended in a definite agreement between the two Powers. Under this agreement the Gulf section of the line was to have been British, and the other portion German. But this agreement which had not been signed became waste paper with the outbreak of the war, and the German plans vanished in thin air with the complete defeat of Turkey and Germany. Nevertheless the railway did not stand still during the war. Germany made immense efforts to complete the difficult tunnel sections and the work was substantially finished when the Armistice was signed.

The Significance of the Baghdad Railway

—The real significance of the Baghdad Railway was little appreciated in Great Britain. It was constantly pictured as a great trunk line, which would short circuit the traditional British dominance by sea, and absorb the passenger and goods traffic from the East. This idea could only be nourished by those completely ignorant of the conditions of the Indian passenger service and the essentials of a competitive route for the carriage of merchandise. The rush of passenger traffic from India is from April to June, in order to escape the hot weather in India and, the return traffic is spread over the period of from October to January. From April to June the heat in Mesopotamia is appalling. To imagine that the passenger traffic from India would turn from the easy and comfortable, as well as fairly expeditious sea route from Bombay to Marseilles and thence by the easiest railway travelling outside the British Isles to Calcutta and London, for such a land route was an amazing chimeric. The Baghdad route would have involved a sea voyage from Bombay or Karachi to Koweit or Basra, then a journey across the burning plains of Mesopotamia and Asia Minor to Haider Pasha, then across the Straits to Constantinople, and finally right across Europe to a North Sea port. This would in any circumstances have been a costly fresh journey in comparison with the sea route. Then as for the commercial aspect of the line, the natural port of the Middle East is Basra. The sea freight from England or Germany to Basra was often less than half the freight from Basra to Baghdad. To imagine again that merchandise would desert this route for a land and sea route, which would have involved a double break of bulk at Constantinople and Haider Pasha, was again a chimera.

As a through route the primary purpose of the Baghdad Railway was strategic. It was designed to make the Power seated at Constantinople—and that Power the Teutons were resolved should be Germany—complete master of Asia

Minor and The Middle East, and the route selected, often criticised, was the best for the rapid movement of troops to the strategic centres. As a commercial line, the Railway, if completed, would have served three zones. The western area of Turkey in Asia at Haidar Pasha. The rich lands of Anatolia at Alexandretta. The eastern zone at Basra. The Germans, it is understood, attached immense importance to the subsequent engagements with Turkey which placed them in maritime command at Alexandretta. They began to inaugurate a commercial position in the Persian Gulf through the establishment of a subsidized line of steamers run by the great Hamburg-America corporation. They strove to obtain an actual footing in the Gulf through the German house of Wunkhaus. The Germans were probably never serious in their alleged designs on Koweit, which could never have borne a more definite relation to the commerce of the Gulf than Flushing to Antwerp or Cuxhaven to Hamburg, that was one of the red herrings they drew across their trail to divert attention from their real objective, Basra, which is destined by virtue of an unchallengeable geographical and natural position to be the great port of The Middle East. These considerations have no more than an academic value now. Germany was defeated. The Turks, when they emerged from an isolated military despotism based on Angora, were confronted with the immense problem of re-building their bankrupt State, deprived of the most intelligent section of the old population—the Greeks and the Armenians, by massacre and expulsion—were a very different factor. The completion of the through line was indefinitely postponed. But as the advantages of the route, for the purposes we have indicated, are many and great, the ultimate construction of the through line is only a matter of time, so one has placed these authoritative characteristics on record for the guidance of opinion when the project of the through route is revived, as it must be.

Turkey and the Frontier—The position of Turkey on the Indian frontier was never of any considerable importance in itself, and never assumed any significance, save as the *avant courier* of Germany, when she passed under the tutelage of that Power, and for a limited period during the war. Although so long established in Mesopotamia, Turkey was not very firmly seated in that country, the Arabs tolerated rather than accepted Turkish rule so long as they were substantially left alone, and the administration, it is understood, never paid its way. For a brief period Midhat Pasha raised the status of Mesopotamia, and after the Revolution that fine soldier Nazim Pasha became a power in the land. But speaking broadly Turkey remained in Mesopotamia because it was no one's interest, even that of the Arab, to turn her out. When however Germany developed her "B B B" policy, Turkey was used as a stalking horse. She moved a small force to the Peninsula of Al-Katr in order to frighten the Sheikh of Bahrein, and tried to convert the nominal suzerainty exercised, or rather claimed, over the Sheikh of Koweit into a *de facto* suzerainty, exercised by military force. These efforts faded before the vigorous action on the British Government which con-

cluded a binding arrangement with the Sheikh of Koweit, and the position of the Turks at Al-Katr was always very precarious. On the outbreak of the war however the situation profoundly changed. When the sound and carefully executed expedition to Basra and its strategic hinterland was developed into the insane enterprise to capture Baghdad by *coup de main*, with very inadequate forces, and still more inadequate transport, we found ourselves involved in military operations of the most extensive and unprofitable character. These were completely successful with General Maude's occupation of Baghdad. After the Russian *débâcle* we found ourselves involved in a new front, which stretched from the Euphrates to the wildest part of Central Asia, producing military exploits of an almost epic character, but exercising little influence on the war. They were brought to an end by pressure not on extensive wings, but at the heart of Turkish Power in Palestine, where Lord Allenby scattered the Turks like chaff. But the aftermath of the war left us in an indefinite position in Mesopotamia, with indefinite frontiers. This enabled the Turks, if they were so disposed, to be troublesome through guerilla warfare in the Mosul Zone, and by stirring up the Kurds, who are the Ishmaelites of Asia Minor. The conclusion of the Treaty of Lausanne in 1923 brought temporary relief, but it did not settle the main issue, the frontier between Turkey and Iraq. Under the Treaty it was provided that if the two parties could not agree to a boundary line delimitation should be left to The League of Nations. Negotiations were promptly opened at Constantinople but it was immediately found that there could be no mutual agreement, the Turks demanded the whole of the Mosul vilayet, and the British delegates declared that Mosul and its hinterland were necessary to the existence of Iraq. The issue therefore went to the League of Nations. That body despatched a neutral commission to study the position on the spot, this commission reported that the best settlement would be for the Mosul vilayet to be incorporated in Iraq, if the British Government were prepared to prolong its mandate over that State for a period of twenty-five years. When the report of this commission came before the League in 1925 Britain gave the necessary guarantee, and the Council of The League unanimously allotted the Mosul vilayet to Iraq. The Turkish delegates, who at first recognised the decisive authority of the League, then declared that they would not be bound by its decisions. So the matter rested at the end of the year, with Iraq in occupation of the disputed up to the temporary frontier, which was known as The Brussels Line. After at first breathing nothing but armed resistance to acceptance of the award, the Turks afterwards assumed a 'more conciliatory note, and alarmed, it may be, by the threat of Italian aggression, accepted the frontier line demarcated by the League.

France and the Frontier—If we touch for a few sentences on the position of France on the frontiers of India, it is not because they have any present day significance, but in order to complete this brief survey of the waxing and waning of external influences on Indian frontier policy. It is difficult to find any sound policy behind the efforts of France to obtain a coaling

station at Maskat in the Persian Gulf, and her long opposition to the steps necessary to extirpate the slave trade, and hold in check the immense traffic in arms which was equipping all the tribesmen on our North-West Frontier with rifles of precision and a large supply of ammunition. We can find no more definite purpose in it than a general pin-pricking policy, a desire to play the part of Russia, and perhaps a source of annoyance to Great Britain which would form a useful lever for the exaction of considerable cessions in West Africa, particularly in the neighbourhood of Gambia, as the price of abstention. These embarrassments were slowly removed one by one after the conclusion of the Anglo-French Entente. Far otherwise was it in the East. The consolidation of French authority in French Indo-China was the prelude to designs for the expansion of this authority at the expense of Siam and to find compensation there for the veiled British protectorate of Egypt. There had earlier been mutterings in Burma. We were established in Lower Burma in the thirties and in the eighties the foolish and tyrannical King Theebaw, in Upper Burma, became an impossible neighbour, and ambitious Frenchmen were not averse to fanning his opposition to the British. However, if any hopes were entertained of extending the Asiatic possessions of France in this direction, they were dissipated by the Second Burmese War and the firm establishment of British rule. Far otherwise was it on the confines of Siam. It was the fixed purpose of British policy to preserve Siam as a buffer state between Burma, then a regular Province of the Indian Empire and French Indo-China. This policy was definitely challenged by French encroachments on Siam. Matters approached a crisis in 1894, and we were within measurable distance of a situation which might have ended in open war between the two States. But as in the case of Penjdeh, and later when Major Marchand marched across Africa to Fashoda, the imminence of hostilities made statesmen on both sides ask themselves what they might be going to fight about. They found there was nothing essential and an agreement was negotiated between the two Powers which secured the independence and integrity of Siam. That agreement has been consolidated by wise and progressive rule in Siam itself, under its own independent sovereign, who is imbued with a strong friendship for Great Britain, whilst at the same time maintaining good relations with French neighbours.

The New Frontier Problem—The whole purpose of this brief sketch has been to show that for three generations—most assuredly since the events leading to the Afghan War of 1838—the Indian frontier problem has never been a local problem. It has been dominated by external influences—in the main the long struggle between Great Britain and Russia, for a brief period the German ambition to build up a dominant position in the East through the revival of the land route and to a much lesser extent by the ambitions of France and Turkey. The circumstances affecting the Frontier from centres beyond it have greatly changed. Old dangers have disappeared. And, generally, conditions have become more like those normal to critical land frontiers anywhere in the world in this present time of swift

communications, aerial operations and easy propaganda. Consequently, a great deal of new attention is necessarily being directed to local aspects of the general problem. The tribesman was always an opponent to be respected. Brave, hardy, fanatical, he has always been a first class fighting man. Knowing every inch of the inhospitable country to which punitive operations must of necessity take place he has hung on our rearguards and given them an infinite of trouble. Even when armed with a jezail and when every cartridge had to be husbanded with jealous care, the tribesman was a respectable antagonist. Now the tribesmen are everywhere armed with magazine rifles, either imported through the Persian Gulf when gunrunning was a thriving occupation, stolen from British magazines, or secured from Russian and Afghan sources. They have an abundant supply of ammunition. Considerable numbers of the fighting men have been trained in the ranks of the Indian Army, either as Regulars in the Pathan regiments, or else in the tribal militias. We found this to our cost in the events following the Afghan War of 1919. The Afghan regular army was of little account. The tribesmen who rose at the call of the jihad, especially in Waziristan, were of great account. They gave our troops the hardest fighting they have ever had on the Frontier, their marksmanship and fire discipline were described by experienced soldiers as admirable. The tribal militia, the keystone of the Curzon system, had for all practical purposes disappeared. What was to take its place?

Immediately following the Afghan War, the frontier positions were garrisoned by regular troops, but this was only a temporary measure. It may be said that the crux of the situation was in Waziristan. This sector of the Frontier has always been the most difficult of the whole, because of the intractable character of the people and of their inveterate raiding activities. Besides, possessing a bolt hole into Afghanistan they had in the past evaded effective punishment. In view of the complete disappearance of the external menace, and the consequent lapsing of any necessity to preserve open lines of communication which would enable us to go to the support of Afghanistan, now formally recognised in the Treaty of 1921 as a completely independent State, there were many who urged the desirability of complete withdrawal, even to the line of the Indus. This extreme school gained little support. Our position in Quetta on the one side and Peshawar on the other is fully consolidated, and no good case could be made out for withdrawing from it. On the other hand, there was a strong case made out for leaving the tribesmen severely alone from the Gomal to the Kurram, and dealing with them if they emerged from their fastnesses. The military standpoint was that the Waziris are absolutely intractable, that it was unfair to impose on troops the frequent necessity of punitive operations in most arduous conditions, and that the only solution of the question was the occupation of dominant points in Waziristan, as far north as Ladha, and linking these posts with our military bases, and particularly with the termini of the Indian frontier railways, by good motor roads,

This controversy lasted long. It resulted in a typically British compromise which specially arose from the changed conditions in which we found ourselves in 1922, when our troops were in occupation of Waziristan as a result of the operations forced upon us for the suppression of the tribal outbreak which the Afghans started up in support of their invasion of India in 1919. The ensuing policy has been aptly described as the "half-forward" policy. It is in truth a repetition of the Sandeman policy, adapted to local conditions. There has been no withdrawal in the ordinary sense of the term, but the limit of the North Waziristan occupation was temporarily fixed at Ramzai, not at Ladhak. A network of consequential roads was pushed forward. Its elaboration continues. In South Waziristan, Wana has been re-occupied, partly in response

to a pressing invitation from the Wana Wazirs, because they wanted to share the benefits which they saw British occupation to be bringing to their cousins northward of them. In February, 1933, control over tribal territory was pushed forward beyond Razmak towards the Afghan Border because of a rebellion on the Afghan side and of the need to assist the King of Kabul by preventing excursions by bodies of Wazirs into His Majesty's disturbed territory. The work of control and of civilization is rapidly progressing in the whole territory. But of this particulars are given on 272 and following pages.

The main Indian rail-head, which for many years terminated at Jamrud, at the easterly entrance to the Khyber Pass was in the autumn of 1925 extended to Landi Khana, at the opposite end of the Pass and within a mile of the frontier between India and Afghanistan.

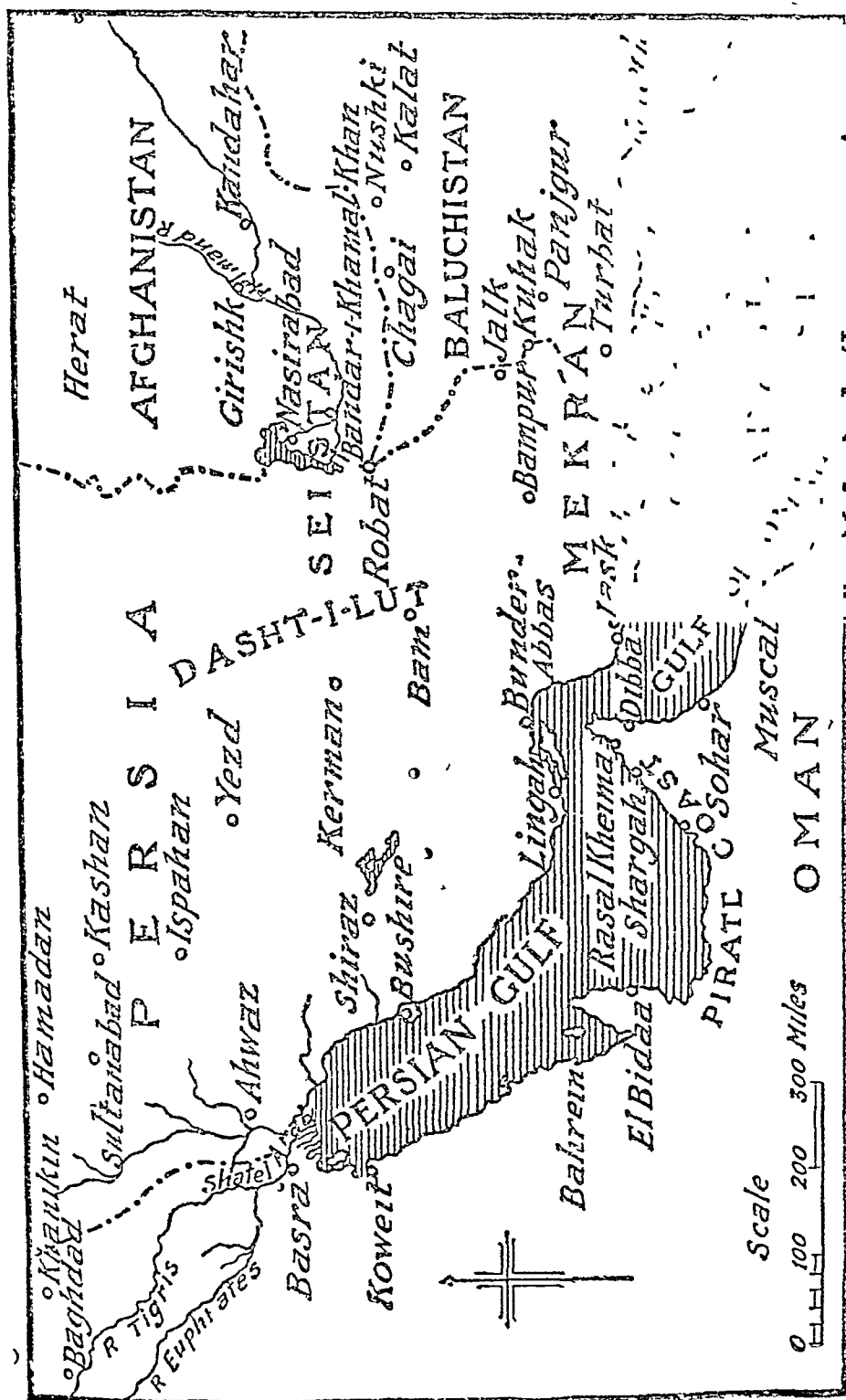
I.—THE PERSIAN GULF.

From what has gone before it will be seen that the keynote of this discussion of Indian frontier policy is that the external menace has largely disappeared. No part of the frontier is more powerfully influenced by this consideration than the Persian Gulf. Our first appearance in the Gulf was in connection with the long struggle for supremacy with the Portuguese, the French and the Dutch who had established trading stations there. With the capture and destruction of the great entrepot which the Portuguese had established at Ormuz, the super-session of the land by the sea route, and the appearance of anarchy in the interior the importance of the Gulf declined. The Indian Government remained there primarily to preserve the peace. This work it quickly and efficiently performed. Piracy was stamped out, the Frucial Chiefs, who occupy the Pirate Coast were gradually brought into close relations with the Government, the vessels of the Royal Navy kept watch and ward, and our consuls regulated the external affairs of the Arab rulers on the Arab coast. In return for these services Great Britain claimed no selfish advantages. The waters of the Gulf were kept free to the navigation of the ships of all nations, and though Great Britain could have made any territorial acquisitions she pleased she refused possession of only the tiny station of Bassidul left to her. If Great Britain desired no other policy but for a quarter of a century the Gulf was involved in European affairs. France sought to acquire a coaling station at Hessa, near Mehat and obstructed the efforts of the British Government to stamp out the slave trade and to check the immense traffic in arms which was equipping the tribes on our land frontier with weapons of precision and quantities of ammunition. All causes of difference were gradually removed by agreement following the Anglo-French Entente. Persia sent one of her first cruisers to "show the flag" in the Gulf and establish consular posts where there were no interests of power. She was credited with the intention of occupying a warm water port, and in particular with establishing a station on the most dreadful spot in the Gulf, Bandar Abbas. This menace declined

after the signing of the Anglo-Russian Agreement and disappeared with the collapse of Russian power following the Revolution. Then Turkey, either acting for herself, or as the *avant courier* of Germany, under whose domination she had passed, began to stir. She threatened the Sheikh of Bahrein by the armed occupation of the peninsula of Al-Katif, and moved troops to enforce her suzerainty over Koweit, the best port in the Persian Gulf and a possible terminus of the Baghdad Railway. Further to consolidate her interests, or to stake out a claim, Germany sent the heavily subsidized ships of the Hamburg-America line to the Gulf, where they comforted themselves as the instruments of Imperial policy rather than as inoffensive merchantmen. She also strove, through the agency of the firm of Wunkhaus, to acquire a territorial footing on the island of Shargah. These events stirred the British Government to an unusual activity in the waters of the Gulf.

Counter Measures

The first effective steps to counter these influences were taken during the vigorous viceroyalty of Lord Curzon, who visited the Gulf during his early travels and incorporated a masterly survey of its features in his monumental work on Persia. He appointed the ablest men he could find to the head of affairs, established several new consulates, and was instrumental in improving the sea communications with the Gulf ports. The British Government also took alarm. They were fortified in their stand against foreign intrigue by the opinion of a writer of unchallenged authority. The American Naval writer, the late Admiral Mahan, placed on record his view that "Concession in the Persian Gulf, whether by formal arrangement (with other Powers) or by neglect of the local commercial interests which now underlie political and military control, will imperil Great Britain's naval position in the Farther East, her political position in India, her commercial interests in both, and the Imperial tie between herself and Australasia." The Imperial standpoint, endorsed by both Parties in the State, was set out by Lord Lansdowne in



words of great import—"We (i.e., His Majesty's Government) should regard the establishment of a naval base or of a fortified port in the Persian Gulf by any other Power as a very grave menace to British interests, which we should certainly resist with all the means at our disposal." The negative measures following these declarations were followed by a constructive policy when the oil fields in the Bakhtiari country, with a great refinery, were developed by the Anglo-Persian Oil Company, in which the British Government has a large financial stake. But with the disappearance of these external forces on Gulf policy, as set out in the introduction to this section, the politics of the Persian Gulf receded in importance, until they are now more than they were before these external influences developed, a local question, mainly a question of policy. They are therefore set out more briefly, and those who desire a complete narrative are referred to the Indian Year Book for 1923, pp. 178-183. An interesting new feature in 1931 was the decision of the Persian Government to instal a Navy of their own in the Gulf. The fleet consisting of two sloops and four launches, all suitably armed, was built in Italy and duly arrived at its destination in 1932. It is at the outset officered by Italians. The immediate reason for the new fleet is that an increase in the Persian Customs tariff for revenue purposes led to extensive smuggling. The fleet is required to check it.

Maskat.

Maskat, which is reached in about forty-eight hours from Karachi, is outside the Persian Gulf proper. It lies three hundred miles south of Cape Musandim, which is the real entrance to the Gulf, but its natural strength and historical prestige combine to make it inseparable from the politics of the Gulf, with which it has always been intimately associated.

Formerly Maskat was part of a domain which embraced Zanzibar, and the Islands of Kishm and Larak, with Bunder Abbas on the Persian shore. Zanzibar was separated from it by agreement, and the Persians succeeded in establishing their authority over the possessions on the eastern shore.

The relations between Britain and Maskat have been intimate for a century and more. It was under British auspices that the separation between Zanzibar and Maskat was effected, the Sheikh accepted a British subsidy in return for the suppression of the slave trade, and in 1892 sealed his dependence upon us by concluding a treaty pledging himself not to cede any part of his territory without our consent.

The Pirate Coast.

Turning Cape Musandim and entering the Gulf Proper, we pass the Pirate Coast, controlled by the six Trucial Chiefs. The ill name of this territory has now ceased to have any meaning, but in the early days it had a very real relation to the actual conditions. The pirates were the boldest of their kind, and they did not hesitate to attack on occasion, and not always without success, the Company's ships of war. Large

expeditions were fitted out to break their power, with such success that since 1820 no considerable punitive measures have been necessary. The Trucial Chiefs are bound to Great Britain by a series of engagements, beginning with 1806 and ending with the perpetual treaty of 1853, by which they bound themselves to avoid all hostilities at sea, and the subsequent treaty of 1873 by which they undertook to prohibit altogether the traffic in slaves. The relations of the Trucial Chiefs are controlled by the British Resident at Bushire, who visits the Pirate Coast every year on a tour of inspection.

The commercial importance of the Pirate Coast is increasing through the rise of Debal. Formerly Lingah was the entrepot for this trade, but the exactions of the Persian Customs officials in the employ of Persia drove this traffic from Lingah to Debal. The Trucial Chiefs are—Debal, Abu Thaber, Shargah, Uman, Um al Gawan and Ras el-Khaysma.

Bahrain.

North of the Pirate Coast lies the little Archipelago which forms the chiefship of the Sheikh of Bahrain. Of this group of islands only those of Bahrain and Maharak are of any size, but their importance is out of all proportion to their extent. This is the great centre of the Gulf pearl fishery, which, in a good year, may be worth half a million pounds sterling. The anchorage is wretched, and at certain states of the tide ships have to lie four miles from the shore, which is not even approachable by boats, and passengers, mails and cargo have to be landed on the donkeys, for which Bahrain is famous. But this notwithstanding the trade of the port is valued at over a million and a quarter sterling, and the customs revenue, which amounts to some eighty thousand pounds, makes the Sheikh the richest ruler in the Gulf.

In the neighbourhood of Bahrain is the vast burning ground which has hitherto baffled archaeologists. The generally accepted theory is that it is a relic of the Phœnicians, who are known to have traded in these waters.

Koweit

In the north-west corner of the Gulf lies the port which has made more stir than any place of similar size in the world. The importance of Koweit lies solely in the fact that it is a possible Gulf terminus of the Baghdad Railway. This is no new discovery, for when the Euphrates Valley Railway was under discussion, General Chesney selected it under the alternative name of the Grane—so called from the resemblance of the formation of the Bay to a pair of horns—as the sea terminus of the line. Nowhere else would Koweit be called a good or a promising port. The Bay is 20 miles deep and 5 miles broad, but so shallow that heavy expense would have to be incurred to render it suitable for modern ocean-going steamers. It is sheltered from all but the westerly winds, and the clean thriving town is peopled by some 20,000 inhabitants, chiefly dependent on the sea, for the mariners of Koweit are noted for their boldness and hardihood.

Muhammerah.

On the opposite side of the entrance to the Shatt-el-Arab lie the territories of Sheikh Khazzal of Muhammerah. The town, favourably situated near the mouth of the Karun River, has grown in importance since the opening of the Karun River route to trade through the enterprise of Messrs Lynch Brothers. This route provides the shortest passage to Ispahan and the central tableland, and already competes with the older route by way of Bushire and Shiraz. This importance has grown since the Anglo-Persian Oil Company established refineries at Muhammerah for the oil which they win in the rich fields which they have tapped near Ahwaz. Its importance will be still further accentuated, by the opening of the railway to Khorremabad by way of Dizful which is now under construction.

Basra.

In a sense Basra and Turkish Arabistan can hardly be said to come within the scope of the frontiers of India, yet they are so indissolubly associated with the politics of the Gulf that they must be considered in relation thereto. Basra is the present sea terminus of the Baghdad Railway. It stands on the Shatt-el-Arab, sixty miles from its mouth, favourably situated to receive the whole water-borne trade of the Tigris and Euphrates Rivers. The local traffic is valuable, for the richness of the date groves on either side of the Shatt-el-Arab is indescribable, there is a considerable entrepot traffic, whilst Basra is the port of entry for Baghdad and for the trade with Persia, which follows the caravan route via Kermanshah and Hamadan.

The political destinies of Basra are at present wrapped up with the destinies of the new Arab State which we have set up in Mesopotamia under King Feisal. When the war was over we found ourselves committed to immense, undefined and burdensome responsibilities in that land. The sound concepts which dictated the original expedition were dislocated in the foolish advance to Baghdad, then the great military enterprises necessitated by the fall of Kut al-Amarra carried our frontier north to Mosul and the mountains of Kurdistan, east to the Persian boundary, and west to the confines of Trans-Jordan. Amongst ardent Imperialists, there was undoubtedly the hope that this immense area would be in one way or another an integral part of the British Empire. The cold fit followed when the cost was measured, and the Arabs rose in a revolt which showed that any such domination could only be maintained by force of arms and that the cost would be prodigious. In these circumstances King Feisal was imported from the Hedjaz and installed on the throne under the aegis of Great Britain. Still we were committed to the support of the new kingdom, and that most dangerous condition arose—responsibility without any real power, unless King Feisal was to be a mere puppet, immense expenditure and indefinite military commitments. In these circumstances there was an insistent demand for withdrawal from the land. British policy moved slowly towards

that end, but a definite step was taken in 1923. The Secretary of State for the Colonies announced this policy in a statement which is reproduced textually, for the purpose of reference. Addressing the House of Lords on May 3rd he said—

Your Lordships will remember that the Cabinet have been discussing this matter for some time and decisions have now been taken. Sir Percy Cox has accordingly been authorised by His Majesty's Government to make an announcement at Baghdad, the terms of which I propose to read out to Your Lordships. This announcement was drawn up in consultation with King Feisal and his Government, and has their cordial assent. It is being published at Baghdad to day.

The announcement is as follows —

"It will be remembered that in the autumn of last year, after a lengthy exchange of views, it was decided between the Governments of His Britannic Majesty and His Majesty King Feisal that a Treaty of Alliance should be entered into between His Britannic Majesty and His Majesty the King of Iraq. This Treaty, which was signed on the 10th October, 1922, and the term of which was to be twenty years (subject to periodical revision at the desire of either party) provided for the establishment of an independent Constitutional Government in Iraq, enjoying a certain measure of advice and assistance from Great Britain of the nature and extent indicated in the text of the Treaty itself and of subsidiary Agreements which were to be made thereunder.

"Since then the Iraq Government has made great strides along the path of independence, and stable existence and has been able successfully to assume administrative responsibility and both parties being equally anxious that the commitments and responsibilities of His Majesty's Government in respect of Iraq should be terminated as soon as possible, it is considered that the period of the Treaty in its present form can conveniently be shortened. In order to obviate the inconvenience of introducing amendments into the body of a Treaty already signed, it has been decided to bring about the necessary modifications by means of a protocol which, like the Treaty itself, will be subject to ratification by the Constituent Assembly.

"Accordingly a protocol has now been signed by the parties in the following terms —

It is understood between the High Contracting Parties that, notwithstanding the provisions of Article 18, the present Treaty is all terminate upon Iraq becoming member of the League of Nations and in any case not later than four years from the ratification of peace with Turkey. Nothing in this protocol shall prevent a fresh agreement from being concluded with a view to regulate the subsequent relations between the High Contracting Parties, and negotiations for that object shall be entered into between them before the expiration of the above period."

It will be noticed that under this protocol the Treaty in its present form was to terminate on the entry of Iraq into the League of Nations or in four years, whichever might be earlier.

The position of Iraq as regards the League was that when the Treaty was ratified His Britannic Majesty was bound under Article 6 to use his good offices to secure the admission of Iraq to membership of the League of Nations as soon as possible. His Majesty's Government would be in a position to take this step on the fulfilment of the two following essential conditions, namely, the delimitation of the frontiers of Iraq, and the establishment of a stable government in accordance with the Organic Law.

The Council of the League of Nations in January, 1932, adopted the report of the Iraq Commission recommending the termination of the mandate subject to the admission of Iraq to membership of the League and Iraq entering into a number of undertakings, with regard to treatment of minorities and the administration of justice. This means the termination of the mandate when the next Assembly of the League voted for the admission of Iraq to League membership.

Under the Treaty of Lausanne between Turkey and the Powers which was signed in 1923, it was agreed that the frontier between King Faisal's State and Turkey, the important frontier because the future of Mosul was in dispute, should be settled by the League of Nations, should Great Britain and Turkey be unable to come to agreement by direct negotiation. These direct negotiations were opened at Constantinople, but no agreement was reached, so the question was opened before the Council of the League in September 1924. Whilst the matter was under discussion complaint was made by Great Britain that Turkey had violated the provisional frontier drawn in the Treaty of Lausanne, and certain irregular hostilities were carried on in the disputed zone. This matter too was remitted to the League, and a further provisional boundary was drawn, which was accepted by both parties.

Here the matter remained until the autumn of 1925. In order to secure the material for a decision the League of Nations despatched a neutral commission to Mosul to investigate the situation. This commission produced a long and involved report, but one which led by devious paths to a common sense recommendation. It was that the first essential in the Mosul vilayet is stable government. The desires of the people were for incorporation in the State of Iraq. If therefore the British Government was willing to extend its mandate over Iraq for a further period of twenty-five years—a guarantee of stable government—then Mosul should be incorporated in Iraq. If Britain was not willing, then Mosul should return to Turkey. When the matter came before the Council of the League Great Britain gave the necessary guarantee. The Turks thereupon challenged the whole competence of the Council to give an award under the terms of the Treaty of Lausanne. The issue was remitted to the Court of International Justice at The Hague which decided in favour of the competence of the Council. About this time there was published the report of a distinguished Estonian General, General Laidoner, who had been despatched by the League to investigate allegations of brutality by the Turks in deporting Christians from their own zone,

and this report was of the most damning character. Great Britain having given the necessary assurance, that she was prepared to extend her mandate over Iraq for a further twenty-five years, thereupon the Council of the League allocated the whole of the area in dispute, right up to the temporary frontier—commonly called The Brussels Line—to Iraq. The Turks refused to accept the award and withdrew from Geneva threatening force. Later, wiser counsels prevailed and in 1926 Turkey accepted a frontier substantially as drawn by the League.

A New Treaty.—A new Treaty regulating the relations of Iraq with Great Britain the Mandatory Power, was negotiated in 1927, and signed towards the end of the year. The full text is not available, but a semi official announcement on December 20th may be regarded as substantially authentic.

The Treaty declares that there shall be peace and friendship between His Britannic Majesty and His Majesty the King of Iraq. It states that 'Provided the present rate of progress in Iraq is maintained and all goes well in the interval, His Britannic Majesty will support the candidature of Iraq for admission to the League of Nations in 1932.' It stipulated that separate agreements superseding those of March 25, 1924, shall regulate the financial and military relations.

The King of Iraq undertook to secure the execution of all international obligations which His Britannic Majesty had undertaken to see carried out in respect of Iraq. He also undertook not to modify the existing provisions of Iraq's organic law so as adversely to affect the rights and interests of foreigners, and to constitute any difference in the rights before the law among Iraqis on the grounds of differences of race, religion, or language.

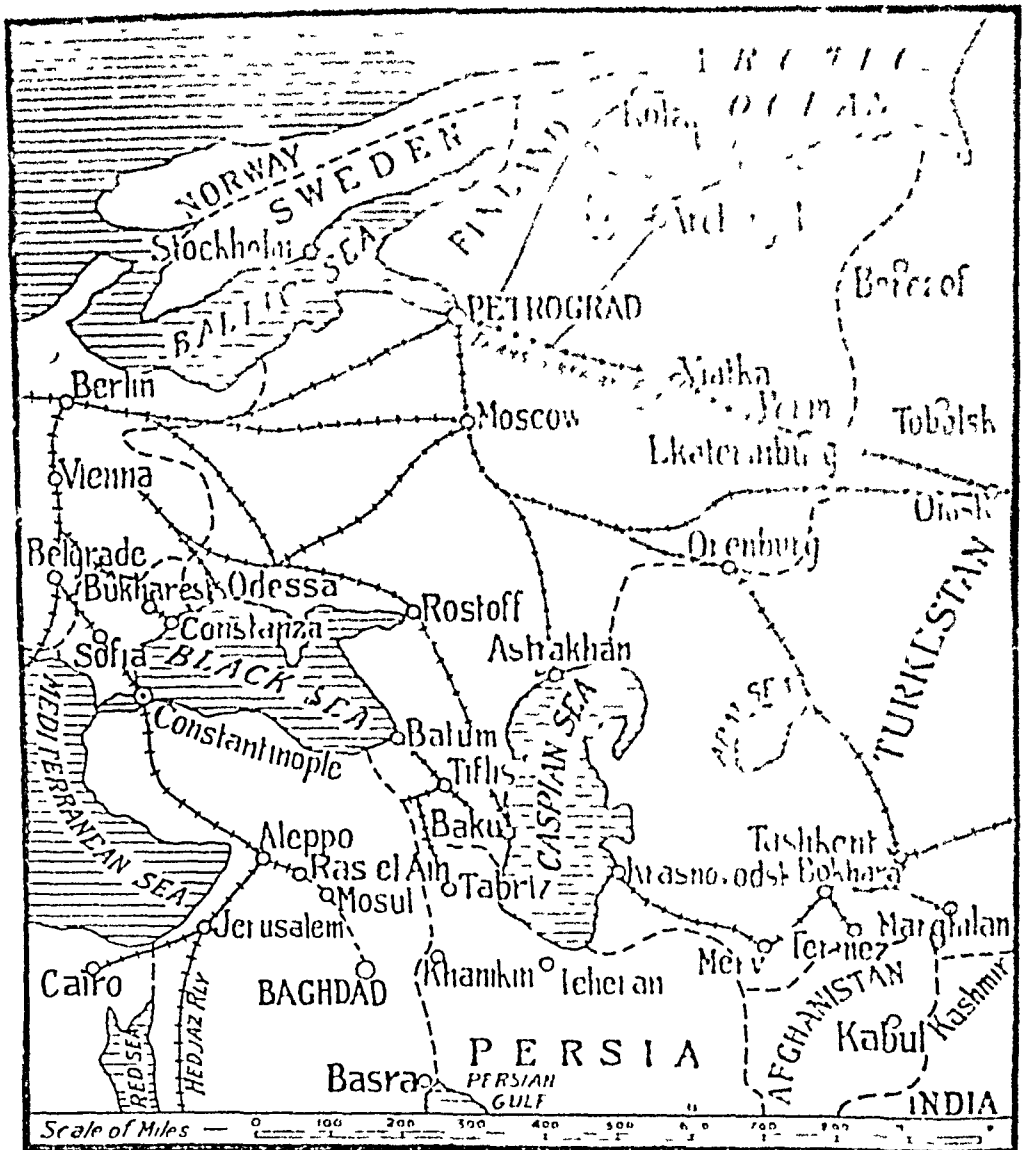
There was provision for full consultation between the high contracting parties in all matters of foreign policy which may affect their common interests. The King of Iraq undertook so soon as local conditions permit to accede to all general international agreements already existing, or which might be concluded thereafter, with the approval of the League of Nations, in respect of the slave trade, the traffic in drugs, arms and munitions, the traffic in women and children, transit navigation, aviation, and communications, and also to execute the provisions of the Covenant of the League of Nations, the Treaty of Lausanne, the Anglo French Boundary Convention, and the San Remo Oil Agreement in so far as they apply to Iraq.

There was provision against discrimination in matters concerning taxation, commerce, or navigation against nationals or companies of any State which is a member of the League of Nations, or of any State to which the King of Iraq had agreed by Treaty that the same rights should be ensured as if it were a member of the League.

Any difference that might arise between the high contracting parties was to be referred to the Permanent Court of International Justice provided for by Article Fourteen of the Covenant of the League. The Treaty was made subject to revision with the object of making all the modifications required by the circumstances when Iraq enters the League of Nations.

Map of the Middle East

Railway Position in the Middle East



It is important to remember that there is a considerable difference between the value of Basra and the other portions of King Idris's State. Basra has for long been in the closest commercial contact with India, and is in many respects a commercial appendage of Bombay. Its people have not much in common with those of the North. They took no part in the Arab rising which followed the war, and they ask nothing better than to remain in close touch with India and through India with the British Government. If we are correct in the supposition that Basra is destined to be the great port of the Middle East, then its future under an Arab State, with no experience of administration in such conditions, is one of the greatest interest, which can hardly be regarded as settled by the policy underlying the declaration which is set out above.

The Persian Shore.

The Persian shore presents fewer points of permanent interest. The importance of Bushire is administrative rather than commercial. It is the headquarters of Persian authority, the residence of the British Resident, and the centre of many foreign consuls. It is also the main entrepot for the trade of Shiraz, and competes for that of Ispahan. But the anchorage is wretched and dangerous, the road to Shiraz passes over the notorious *kotals* which preclude the idea of rail connection and if ever a railway to the central tableland is opened, the commercial value of Bushire will dwindle to insignificance.

Further south lies Lingah, reputed to be the prettiest port on the Persian coast, but its trade is being diverted to Debal on the Pirate Coast. In the narrow channel which forms the entrance to the Gulf from the Arabian Sea is Bunder Abbas. Here we are at the key of the Gulf. Bunder Abbas is of some importance as the outlet for the trade of Kerman and Yezd. It is of still more importance as a possible naval base. To the west of the town between the Island of Kishm and the mainland, lie the Clarence Straits which narrow until they are less than three miles in width, and yet contain abundance of water. Here, according to sound naval opinion, there is the possibility of creating a naval base which would command the Gulf. The great obstacle is the climate, which is one of the worst in the world. On the opposite shore, under the shadow of Cape Musandim, lies another sheltered deep-water anchorage, Elphinstone's Inlet, where the climate conditions are equally vile. But between these two points there is the possibility of controlling the Gulf just as Gibraltar controls the Mediterranean. For many years Bunder Abbas loomed large in public discussions as the possible warm water port for which Russia was seeking. There is a British Naval station at Henjam, a small island close to Kishm, where the station was established under agreement with the Persian authorities. On the Mekran coast, there is the cable station of Jask, and the possible port of Chahbar. An interesting development, in the Gulf in the past two or three years has been the institution of a Persian Navy.

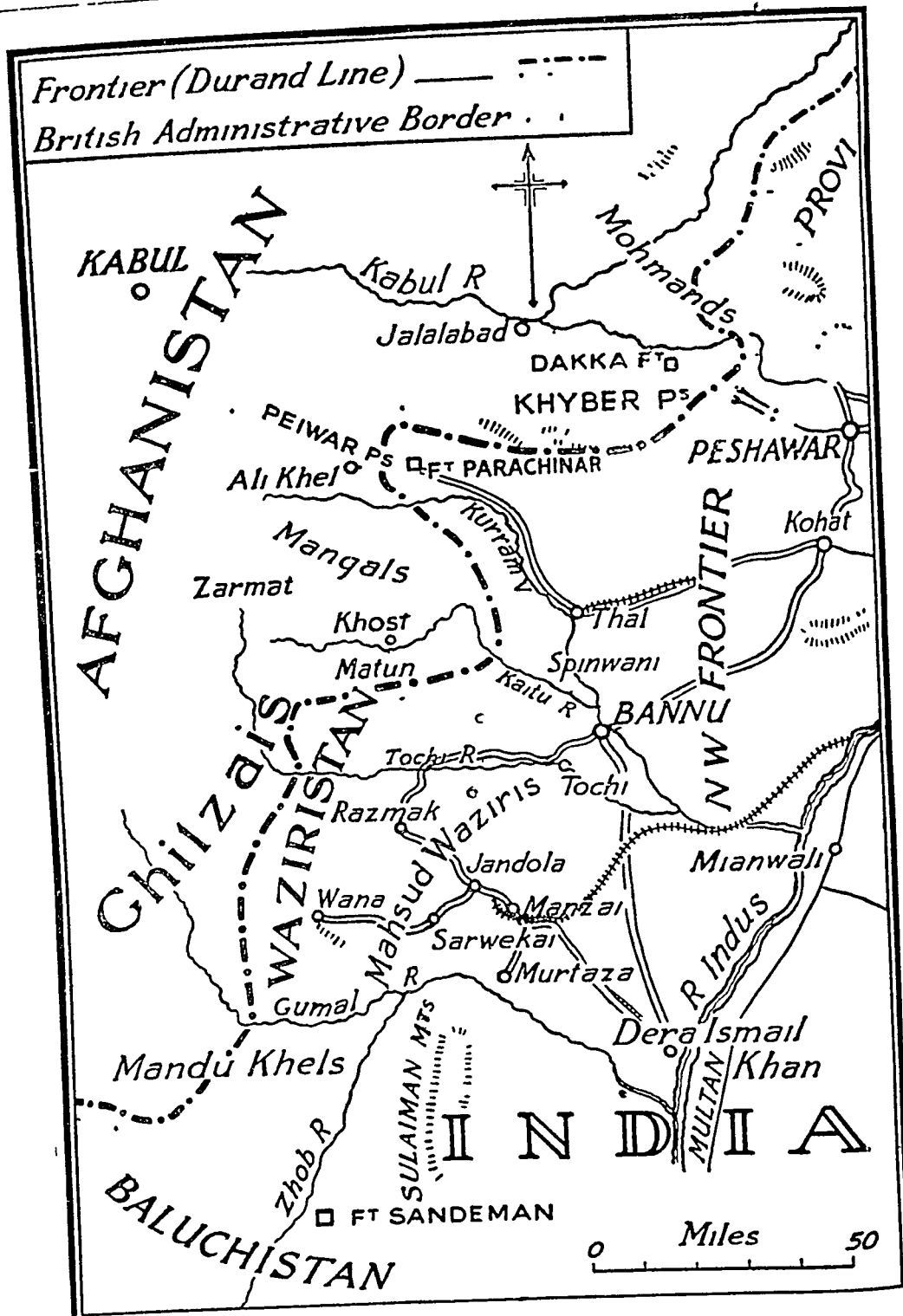
II—SEISTAN.

The concentration of public attention on the Persian Gulf was allowed to obscure the frontier importance of Seistan. Yet it was for many years a serious preoccupation with the Government of India. Seistan lies midway north and south between the point where the frontiers of Russia, Persia and Afghanistan meet at Zulfikar and that where the frontiers of Persia and of our Indian Empire meet on the open sea at Gwattar. It marches on its eastern border with Afghanistan and with Baluchistan, it commands the valley of the Helmand, and with it the road from Herat to Kandahar, and its immense resources as a wheat-producing region have been only partly developed under Persian misrule. It offers to an aggressive rival, an admirable strategic base for future military operations, it is also midway athwart the track of the shortest line which could be built to connect the Trans Caspian Railway with the Indian Ocean, and if and when the line from Ashkabad to Meshed were built, the temptation to extend it through Seistan would be strong. Whilst the gaze of the British was concentrated on the North-West Frontier, and to possible lines of advance through Kandahar to Quetta, and through Kabul to Peshawar, there can be little doubt that Russian attention was directed to a more leisurely movement through Seistan, if the day came when she moved her armies against India.

Whether with this purpose or not, Russian intrigue was particularly active in Seistan in the early years of the century. Having Russia fled Khorassan, her agents moved into Seistan and through the agency of the Belgian Customs officials, "scientific missions" and an irri-

tating plague cordon, sought to establish influence, and to stifle the British trade which was gradually being built up by way of Nushki. These efforts died down before the presence of the McMahon mission, which, in pursuance of Treaty rights, was demarcating the boundary between Persia and Afghanistan, with special reference to the distribution of the waters of the Helmand. They finally ceased with the conclusion of the Anglo-Russian Agreement. Since then the international importance of Seistan has waned.

The natural conditions which give to Seistan this strategic importance persist. Meantime, British influence is being consolidated through the Seistan trade route. The distance from Quetta to the Seistan border at Killa Robat is 465 miles, most of it dead level, and it has now been provided with fortified posts, dak bungalows, wells, and all facilities for caravan traffic. The railway was pushed out from Spezand, on the Bolan Railway, to Nushki, so as to provide a better starting point for the caravans than Quetta. This line was extended to Duzdap, 54 miles on the Persian side of the Indo-Persian Frontier during the war as a military measure, but the traffic after the re-establishment of peace supported only two trains a week. There then arose trouble owing to Persian insistence on the collection of Customs duties on rations taken across their frontier for the railway staff. This led to the stoppage of train running on the Persian side of the Frontier. Negotiations have now for years dragged on to bring about a reasonable settlement in regard to the situation.



III—PERSIA.

From causes which only need to be very briefly set out, the Persian question as affecting Indian frontier policy has receded until it is of no account. Reference is made in the introduction to this section to the fact that the conclusion of the Anglo-Russian Agreement left us a bitter legacy in Persia. That Agreement divided Persia into two zones of influence, and the Persians bitterly resented this apparent division of their kingdom between the two Powers, though no such end was in view. German agents, working cleverly on this feeling, established an influence which was unsuspected, and when the war broke out they were able to raise the tribes in opposition to Great Britain, in the South, and after the fall of Kut al-Amara, when a Turkish Division penetrated Western Persia, they exercised a strong influence in Teheran. With the defeat of Turkey and the Central Powers this influence disappeared, but at that time there was no authority in Persia besides that of the British Government, which had strong forces in the North West and controlled the southern provinces through a force organised under British officers and called The South Persian Rifles. It was one of the first tasks of the British Government to regularise this position, and for this purpose an agreement was reached with the then Persian Government, the main features of which were—

To respect Persian integrity,

To supply experts for Persian administration,

To supply officers and equipment for a Persian force for the maintenance of order,

To provide a loan for these purposes,

To co-operate with the Persian Government in railway construction and other forms of transport.

Both Governments agreed to the appointment of a joint committee to examine and revise the Customs tariff.

The second agreement defined the terms and conditions on which the loan was to be made to Persia. The loan was for £2,000,000 at 7 per cent redeemable in 20 years. It was secured on the revenues and Customs' receipts assigned for the repayment of the 1911 loan and should these be insufficient the Persian Government was to make good the necessary sums from other sources.

The Present Position—We have given the main points in the Anglo-Persian agreement, because few documents have been more misunderstood. Those who desire to study it in greater detail will find it set out in the Indian Year Book for 1921, page 138 *et seq*. It has been explained that most Persians construed it into a guarantee of protection against all external enemies. When the British troops in the north west retired before the Bolsheviks, the Persians had no use for the Agreement and it soon became a dead instrument. It was finally rejected and the advisers who were to have assisted Persia under it withdrew.

A remark frequently heard amongst soldiers and politicians in India after the War was that Great Britain must take an active hand in Persia

because she could not be a passive witness to chaos in that country. The view always taken in the Indian Year Book was that the internal affairs of Persia were her own concern, if she preferred chaos to order that was her own lookout, but left alone she would hammer out some form of Government. That position has been justified. The Sirdar Sipah, or commander-in-chief, a rough but energetic soldier, gradually took charge of Persian affairs and established a thinly-veiled military dictatorship which made the Government feared and respected throughout the country for the first time since the assassination of Shah Nasr-ed-din. A body of capable Americans under Dr Millsbaugh restored order to the chaotic finances. These two forces operating in unison gave Persia the best government she had known for a generation. But the Sirdar Sipah chafed under the irregularities of his position, with a Shah spending his time in Europe and wasting the resources of the country. He moved to have his position regularised by the deposition of the absentee Shah and his own ascent of the throne. At first he was defeated by the opposition of the Mollahs, but in 1925 prevailed, and the Shah was formally deposed and the Sirdar Sipah chosen monarch in his place. The change was made without disturbance, and Persia entered on a period of peace and consolidation which has removed it from the disturbing forces in the post-war world. Since then considerable progress has been made with the reform of the administration, and many projects are afoot for the improvement of communications, which is the greatest need of the land, such as an air service to Teheran and railway construction. The least reassuring episode was the departure of the American financial mission, which had done admirable work in the restoration of the finances. When their contract expired Dr Millsbaugh and his colleagues were offered a renewal of it on terms which they did not regard as satisfactory, especially in regard to the powers they were to exercise. They therefore withdrew from the country and have been replaced by other foreign advisers. The general situation was gravely disturbed in 1932 by the sudden termination by the Persian Government of the Anglo-Persian Oil Co's concession, a matter affecting one of the biggest industrial undertakings in the world and millions sterling of capital. The intervention of the British Government led to the reference of the trouble to the League of Nations and thus paved the way for negotiations between the Company and the Persian Government. While these were being settled some progress was also made with general negotiations between the British and Persian Governments for an agreement covering all outstanding points of difficulty between them.

Sir R. H. Clive, K.C.M.G., is British Minister at Teheran.

H. B. M.'s Consul-General and Agent of the Government of India in Khorasan—Lt.-Col. C. C. J. Barrett, C.S.I., C.I.E.

H. B. M.'s Consul in Seistan and Kaim—Major C. K. Daly, C.I.E.

IV — THE PRESENT FRONTIER PROBLEM

There yet remains a small part of British India where the King's writ does not run. Under what is called the Durand Agreement with the Amir of Afghanistan, the boundary between India and Afghanistan was settled, and it was delimited in 1903 except for a small section which was delimited after the Afghan War in 1919. But the Government of India have never occupied up to the border of the administered territory and the Durand line there lies a belt of territory of varying width extending from the Gomal Pass in the south, to Kashmir in the north, this is generically known as the Tribal Territory. Its future is the keynote of the interminable discussions of frontier policy for nearly half a century.

This is a country of deep valleys and secluded glens, which nature has fenced in with almost inaccessible mountains. It is peopled with wild tribes of mysterious origin, in whom Afghan, Tartar, Turkoman, Persian Indian, Arab and Jewish intermingle. They have lived their own lives for centuries, with little intercourse even amongst themselves, and as Sir Valentine Chirol truly said "the only bond that ever could unite them in common action was the bond of Islam". It is impossible to understand the Frontier problem unless two facts are steadily borne in mind. The strongest sentiment amongst these strange people is the desire to be left alone. They value their independence much more than their lives. The other factor is that the country does not office even in good years to maintain their population. They must find the means of subsistence outside, either in trade, by service in the Indian Army or in the Khissadars, else in the outlet which hill-men all the world over have utilised from time immemorial, the raiding of the wealthier and more peaceful population of the Plains.

Frontier Policy

The policy of the Government of India towards the Independent Territory has ebbed and flowed in a remarkable degree. It has fluctuated between the Forward School, which would occupy the frontier up to the confines of Afghanistan, and the school of Masterly Inactivity, which would leave the tribesmen entirely to their own resources, punishing them only when they raided British territory. Behind both the policies lay the menace of a Russian invasion, and that coloured our frontier policy until the Anglo-Russian Agreement of 1907. This induced what was called Hit and Retire tactics. In the half century which ended in 1897 there were nearly a score of punitive expeditions, each one of which left behind a legacy of distrust, and which brought no permanent improvement in its train. The fruit of the suspicion thus engendered was seen in 1897. Then the whole Frontier, from the Malakand to the Gomal, was ablaze. The extent of this rising and the magnitude of the military measures which were taken to meet it compelled a consideration of the whole position. The broad outlines of the new policy were laid down in a despatch from the Secre-

tary of State for India, which prescribed for the Government the "limitation of your interference with the tribes, so as to avoid the extension of administrative control over tribal territory." It fell to Lord Curzon to give effect to this policy. The main foundations of his action were to exercise over the tribes the political influence requisite to secure or imperial interests, to pay them subsidies for the performance of specific duties, but to respect their tribal independence and leave them as far as possible, free to govern themselves according to their own traditions and to follow their own inherited habits of life without let or hindrance.

New Province

As a first step Lord Curzon took the control of the tribes under the direct supervision of the Government of India. Up to this point they had been in charge of the Government of the Punjab, a province whose head is busied with many other concerns. Lord Curzon created in 1901 the North-West Frontier Province, and placed it in charge of a Chief Commissioner, with an intimate frontier experience, directly subordinate to the Government of India. This was a revival of a scheme prepared by Lord Lytton in 1877 and often considered afterwards, but which had slipped for lack of driving power. Next, Lord Curzon withdrew the regular troops as far as possible from the advanced posts, and placed these fortalices in charge of tribal levies, officered by a handful of British officers. The most successful of these was the Khyber Rifles, which steadfastly kept the peace of that historic Pass until 1919. At the same time the regular troops were cantoned in places whence they could quickly move to any danger point, and these bases were connected with the Indian railway system. In pursuance of this policy a narrow-gauge line, since converted to the broad-gauge, was constructed from Kushalgarh to Kohat, at the entrance of the Kohat Pass, and to Thal in the midst of the Kurram Valley. These railways were completed by lines to Tonk and Bannu. By this means the striking power of the regular forces was greatly increased. Nor was the policy of economic development neglected. The railways gave a powerful stimulus to trade and the Lower Swat Canal converted fractious tribesmen into successful agriculturists. This policy of economic development is receiving a great development through the completion of the Upper Swat Canal (of which works awaiting attention. For many years this policy was completely justified by results.

A New Policy

It saved us from serious complications for nearly twenty years, although the position could never be said to be entirely satisfactory, particularly in Waziristan, peopled by the most reckless raiders on the whole border-line, with a bolt hole into Afghanistan when pressed from the British side. It endured through the Great War and did not break

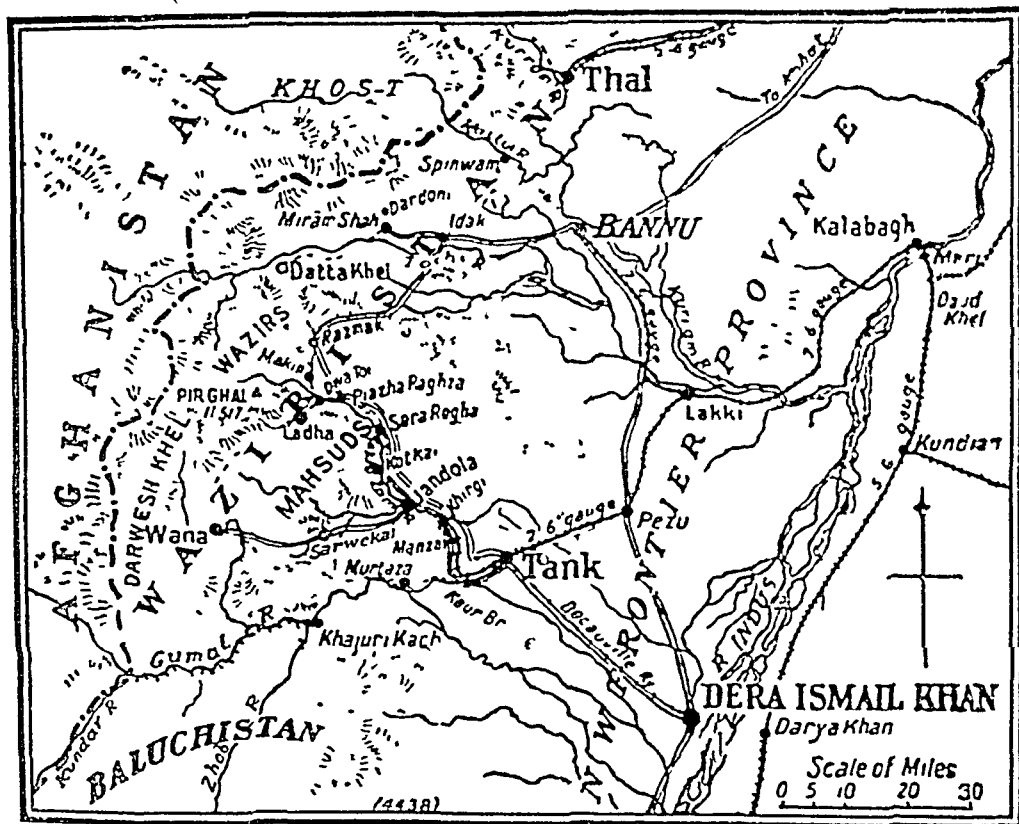
down until the Amir of Afghanistan sought refuge from his internal troubles in a jihad against India. In this insane enterprise the Afghans placed less reliance in their regular troops, which have never offered more than a contemptible resistance to the British forces than in the armed tribesmen. In this they were justified, for the Indian Military authorities failed to give timely support to the advanced militia posts, some of these posts were ordered to withdraw, the militia collapsed and the most serious fighting was with the tribesmen. The tribal levies collapsed with almost universal swiftness. The Southern Waziristan militia broke and there was serious trouble throughout the Zhob district. The Afridis, our most serious enemies in 1897, and the most powerful of the tribes on the North-West Frontier, remained fairly quiet throughout the actual hostilities with Afghanistan, but later it was necessary to take measures against a leading malcontent and destroy his fort at Chora. But the Mahsuds and the Waziris broke into open hostilities. Their country lies within the belt bounded by the Durand Line and the Afghan frontier on the west, and by the districts of Bannu and Dehra Ismail Khan on the east. Amongst them the Afghan emissaries were particularly active and as they could put in the field some 30,000 warriors, 75 per cent armed with modern weapons of precision, they constituted formidable adversaries. They refused to make peace even when the Afghans craved in. They rejected our terms and active measures were taken against them. The fighting was the most severe in the history of the Frontier. The Mahsuds fought with great tenacity. Their shooting was amazingly good, their tactics were admirable, for amongst their ranks were many men trained either in the militia or in the Indian Army, and more than once they came within measurable distance of considerable success. They were assisted by the fact that the best trained troops in the Indian Army were still overseas and younger soldiers were opposed to them. But their very tenacity and bravery were their own undoing, their losses were the heaviest in the long history of the Borderland and when the Mahsuds made their complete submission in September 1921 they were more severely chastened than at any time during their career.

A New Chapter—As the result of the Afghan War of 1919, Indian frontier policy was again thrown into the melting pot. There was much vague discussion of the position in the course of the months which followed the Afghan War and the troubles in Waziristan which succeeded it, but this discussion did not really come to a head until February-March 1922. The Budget then presented to the country revealed a serious financial position. It showed that despite serious increases in taxation, the country had suffered a series of deficits, which had been financed out of borrowings. Further heavy taxation was proposed in this Budget, but even then the equilibrium which the financial authorities regarded as of paramount importance was not attained. When the accounts were examined, it was seen that the heaviest charges on the exchequer were those under Military Expenses, and that there was an indefinitely large, and seemingly unend-

ing expenditure on Waziristan. This forced the Military, and allied with it the Frontier, expenditure to the front. In actual practice the discussion was really focussed on Waziristan. In essentials it was the aged controversy—shall we deal with this part of the Frontier on what is known as the Sandeman system, namely, by occupying commanding posts within the country itself, dominating the tribesmen but interfering little in their own affairs, or shall we revert to what was known as the close border system, as modified by Lord Curzon, of withdrawing our regular troops to strategic positions outside the tribal area, leaving the tribesmen, organised into militia, to keep the passes open, and punishing the tribesmen by expeditions when their raiding propensities become unbearable.

The Curzon Policy—The Curzon policy, adopted in 1899, to clear up the aftermath of the serious and unsatisfactory Frontier rising in 1897, was a compromise between the "occupation" and the "close border" policies. It was based on the withdrawal of the regular troops so far as possible to cantonments in rear whilst the frontier posts, such as those in the Tochi at Wana and in the Khyber and Kurram were held by militia, recruited from amongst the tribesmen themselves. The cantonments for regular troops were linked so far as possible with the Indian railway system, so as to permit of rapid reinforcement. But it must be remembered that like all Frontier students, Lord Curzon did not regard this as the final policy. He wrote in the Memorandum formulating his ideas "It is of course inevitable that in the passage of time the whole Waziri country up to the Durand line will come more and more under our control. No policy in the world can resist or greatly retard that consummation. My desire is to bring it about by gradual degrees and above all without the constant aid and presence of British troops." The Curzon policy, though it was not pursued with the steadfastness he would have followed if he had remained in control, gave us moderate—or rather it should be said bearable—frontier conditions until the Afghan War. It then broke down, because the tribal militia, on which it was based, could not, when left without the support of regular troops in the day of need, withstand the wave of fanaticism and other conditions set up by the Afghan invasion of 1919. The Khyber militia faded away, the Waziri militia either mutinied, as at Wana, or deserted. The pillar of the Curzon system fell.

The Policy—The policy first adumbrated to meet these changed conditions was outlined by Lord Chelmsford, the then Viceroy, in a speech which he addressed to the Indian Legislature. He said it had been decided to retain commanding posts in Waziristan, to open up the country by roads, to extend the main Indian railway system from its then terminus, Jamrud, through the Khyber to the frontier of Afghanistan, and to take over the duties of the militia by regular troops. That immediate policy was soon modified so far as the policing of these frontier lines by regular troops was concerned. Such duties are immensely unpopular in the regular army, which is not organised and equipped for work of this character. Irregulars have always existed on



WAZIRISTAN

the frontier, and as they had disappeared with the Militia, it was necessary to recreate them. The new form of irregular was what have been called Khassadars and Scouts. The Khassadar is an extremely irregular. He has no British officers and no uniform, except a distinguishing kind of *pagri*. In contradistinction to the old Militia, he finds his own rifle. As one informed observer remarked, the beauty of the system is that so long as the Khassadars, under their own headmen, secure the immunity of the caravans and perform their other police duties, they draw their pay and no questions

are asked. If they desert in the day of trouble, they lose their pay but the Government loses no rifles, nor does it risk mutiny, or the loss of British and Indian officers. But the application of this policy produced an acute controversy. It was one thing to say that commanding posts in Waziristan should be retained, it was another to decide what these posts should be. We must therefore consider the special problem of Waziristan. The Scouts are a mobile, mounted, irregular force not territorially recruited, officered by British officers.

V—WAZIRISTAN.

We can now approach the real frontier question of the day, the future of Waziristan. What follows is drawn from an admirable article contributed some years ago to "The Journal of the United Service Institution of India," written by Lt-Col G M Routh, D.S.O.

Geographically Waziristan is a rough parallelogram averaging 60 miles from East to West and 160 from North to South. The western half consists of the Suleiman Range gradually rising up to the ridge from five to ten thousand feet high, which forms the water shed between the Indus and the Helmund Rivers and corresponds with the Durand Line separating India from Afghanistan. This is the western boundary. On the east is the Indus. North is the watershed of the Kurram River running East and West about 30 miles north of Bannu separating Waziristan from the Kohat District. South is a zigzag political boundary from the Durand Line running between Wana and Fort Sandeman in Baluchistan with a turn southwards to the Indus.

The western half is a rugged and inhospitable medley of ridges and ravines straggled and confused in hopeless disarray. The more inhabited portions lie well up the slope at heights of four to six thousand feet. Here are our outposts of Wana and Ladha some 15 and 20 miles respectively from the Durand Line, in the centre of the grazing district, the latter within five miles of important villages of Kaniguram and Makin.

The submontane tracts from the hills to the Indus vary from the highly cultivated and irrigated land round Bannu to the sand desert in the Marwat above Pezu.

Where irrigation or river water is obtainable cultivation is attempted under conditions which can hardly be encouraging. Other tracts like that between Pezu and Tank, usually pastoral, can only hope for an occasional crop after a lucky rainfall.

Inhabitants—The inhabitants, unable to support existence on their meagre soil, make up the margin by armed robbery of their richer and more peaceful neighbours. The name originates according to tradition from one Wazir, two of whose grandsons were the actual founders of the race. Of the four main tribes Darweshkhel, Mahsuds, Dawars and Batanni, only the first two are true Wazirs. Their villages are separate though dotted about more or less indiscriminately, and inter-marriage is the exception—in fact all traditionally are in open strife, a circumstance which, until some bright political comet like the Afghan War of 1919 joined them together, as materially aided our dealings with them.

Unlike other parts of India, however, these wild people acknowledge little allegiance to maliks or headmen. No one except perhaps the Mulla Powindah till his death in 1913 could speak of any portion of them as his following.

Policy—The policy of the British was at first one of non interference with the tribes. Even now only part of the country is administered. Gradually it was found that more and more supervision became necessary to control raiding and this was attempted by expeditions to portions of the country with Regulars, followed by building posts and brick towers to be held by Militia. These posts were at first placed at the points where raiders usually debouched. The Political Officers, at first supported by Regulars, built up from 1904 onwards a force of some 3,000 Militia with British Officers at their disposal, who were backed up by the garrisons at Bannu and Dera Ismail Khan. In addition certain allowances were made to the tribes for good behaviour, prevention of raids and surrender of offenders when required, also for tribal escorts as necessary. Gradually, as occasion required, posts were occupied. Wana was occupied in 1895 at the request of the Wana Wazirs. Similarly the Tochi in 1896. In the comprehensive expedition of 1895-96 when this policy was put into effect, the British arms were shown in every remote valley in the vain hope of taming the Mahsuds. It was hoped the various posts would prove a pacifying influence and a rallying ground for Government supporters. From 1904 to 1919 they were held by Militia. Roads and communications were improved and tribal allowances augmented by sales of produce to the troops on a liberal scale.

A Programme—Lt Col Routh then outlined a possible policy for Waziristan. We give it textually, because we believe that when it was written it reflected how military opinion in India was developing—

"To the unprejudiced mind it appears more practical to grasp the nettle firmly and dominate the inhabited tracts. Why should not the road now being made to Ladha be continued 30 miles north to the Tochi road at Datta Khel and 20 miles south to Wana? Why should we not occupy the healthier portions of Waziristan rather than the foothills or Cis Indus zones? The Razmak district round Makin 6,000 feet up is both healthy and fertile. The same applies to the Shawal valley lying behind Pir Gul, the national peak near Ladha rising to a height of 11,550 feet above the sea. The Wana plain, 5,000 feet up, 30 miles by 15, could with railways support an army corps, there is no doubt that

a forward railway policy will help to solve the problem. A line has been surveyed from Tank to Draband and thence up the valley to Fort Sandeman, so connecting with the Zhob and perhaps later to Wana. The Gumal Tangi from Murtaza to Khajuri Kach is the apparently obvious route, but would be prohibitively expensive in construction and require much tunnelling. Beyond Khajuri Kach via Tanu and Roghri Kot to Wana, some 23 miles, offers no difficulty. The old policy of the raiders working westwards and our retributive expeditions stretching their very temporary tentacles eastwards seems to suggest better lateral communications. The broad gauge at Kohat might without undue cost be extended to Thal and thence to Idak via Spinwam. From here till further extension proved desirable, a motor road through Razmak, Mahin and Dwatoi to link up with that now surveyed to Ladha sounds possible to the looker on. Eventually such communications, road, rail, or both, could continue to Wana, Fort Sandeman and Quetta via Hindu Bagh, a strategic line offering great defensive possibilities substituting Razmak, which resembles Ootacamund, and healthy uplands for the deadly fever spots now occupied. The very fact of employing the tribesmen on these works with good pay and good engineers tends to pacify the country as well as providing healthy accessible hill stations in place of the proverbially comfortless cantonments which now exist in this part of the Frontier.

A Compromise—A full statement of the policy finally adopted by Government in view of the situation left upon their hands after the Mahsud rebellion was made by the Foreign Secretary, Sir (then Mr.) Denys Bray, in the course of a Budget discussion in the Legislative Assembly on 5th March 1923. He outlined neither a Forward policy nor a Close Border policy. Both these terms had, in fact, ceased to be appropriate. Circumstances had so changed that neither the one plan nor the other remained within the bounds of reasonable argument.

The Foreign Secretary explained that the ingredients of the Frontier problem at the present day are essentially three, namely, the Frontier districts, the neighbouring friendly State of Afghanistan, and the so called Independent Territory, this last being the belt of unsettled mountain country which lies between the borders of British India and India. He proceeded specially to show that this belt is, in fact, within India. "It is boundary pillars that mark off Waziristan from Afghanistan, it is boundary pillars that include Waziristan in India. We are apt to call Waziristan independent territory, and it is only from the point of view of our British districts that these tribes are trans-frontier tribes. From the point of view of India, from the international point of view that is, they are our frontier tribesmen of India. If Waziristan and her tribes are India's scourge, they are also India's responsibility—and India's alone. That is an international fact that we must never forget."

Sir Denys next referred to the triumph of the Sandeman policy in Baluchistan. He pointed out that some people long ago believed that the same policy would prove effective in Waziristan. "But what was a practical proposition 20 or 30 years ago is not necessarily

so now. The task is infinitely more difficult to-day, chiefly because the tribesmen are infinitely better armed, their arms having increased at least tenfold during the last 20 years." Dealing with the Close Border prescription he showed that if one erected a Chinese wall of barbed-wire fence along the plain some distance below the hills, "all the time the problem in front of us would be going from bad to worse, with the inevitable increase of arms in the trans border and with that inevitable increase in the economic stringency in this mountainous tract, which would make the tribesmen more and more desperate, more and more thrown back on barbarism. A rigid Close Border policy is really a policy of negation, and nothing more. We might gain for our districts a momentary respite from raids but we would be leaving behind a legacy of infinitely worse trouble for their descendants."

The settled policy of Government in Waziristan, Sir Denys showed, was the control of that country through a road system, of which about 140 miles would lie in Waziristan itself and one hundred miles along the border of Derajat, and the maintenance of some 4,600 Khassadars and of some 5,000 irregulars, while at Razmak, 7,000 feet high and overlooking northern Waziristan, there would be an advanced base occupied by a strong garrison of regular troops. Razmak he showed to be further from the Durand Line than the old-established posts in the Tochi. In the geographical sense, therefore, the policy was, in one signal respect, a backward policy. None the less, it was a forward policy in a very real sense, for it was a policy of constructive progress and was a big step forward on the long and laborious road towards the pacification, through civilization, of the most backward and inaccessible, and therefore the most truculent and aggressive tribes on the border. "Come what may civilization must be made to penetrate these inaccessible mountains or we must admit that there is no solution to the Waziristan problem, and we must fold our hands while it grows inevitably worse."

The policy thus initiated has proceeded with results according with the highest reasonable expectations and exceeding the most sanguine hopes of most people concerned in its formulation.

The roads are policed by the Khassadars who have, in the main, proved faithful to their trust. The open hostility of the Waziri tribesmen to the presence of troops and other agents of Government in their midst, which at the outset they showed by shooting up individuals and small bodies of troops on every opportunity, has faded away, and the people have shown an understanding of the rule of law, and, under the control exercised, a readiness to conform to it. In various small but significant ways, methods of civilization have caught the imagination of the people and won their approval. Thus, the safety of the roads has encouraged, and is buttressed by a considerable development of motor-bus traffic. The roads, as the King's Highway, are officially held to be sacrosanct that is no shooting up or other pursuit of personal or tribal vendettas is permitted upon them. This permits villagers to proceed to and from the plains towns in safety. Under the influence of their women, the tribesmen applied

that the ban against shooting upon the highway would be extended to all the country for three miles on either side of the highway. Tentative efforts to introduce primary education proved possible and achieved as much success as could be expected. The hospitals and dispensaries maintained for irregular troops, called Scouts, employed about the country, attend to the wants of the tribespeople who come to them. So much has this arrangement been appreciated that the Mahsuds formally applied for the establishment of a hospital of their own. With grim humour, they offered to provide such an institution with the necessary surgical instruments, saying that they had saved this from the time when the British formerly left the country. In other words, they offered what they had captured or looted during the 1919 emente.

A remarkable illustration of the acceptance by the people of the new conditions was provided a year or two ago by the Wana Wazirs when they partitioned the Political Authorities for the occupation of south Waziristan corresponding with that already established in northern Waziristan. A motor road had already been run out from Jhandola through Chagmal and the Shahur Tangi to Sarwekai. A brigade of troops, hitherto stationed at Manzai, whereabouts the Tak-i-Zam, after flowing down its deep valley from northern Waziristan, debouches on to the Derajat, was accordingly ordered up to Wana in the autumn of 1929. It proceeded throughout the journey thither without opposition and was warmly welcomed by the tribes people at Wana, where it established itself in a favourably sited camp not far from the fort which was the earlier centre of British occupation. There it happily remains.

The reoccupation of Wana and the circumstances in which it took place illustrate that a policy is a live thing. In other words, it is not a programme which can reach fulfilment or completion. It lives and always waits upon some new action to give it further expression. In this respect the new policy, though it has only demonstrably been applied in Waziristan, must be regarded as that which governs the actions of the authorities in regard, at least to the whole Frontier region lying between Baluchistan and the Khyber Pass, except, possibly, the Kurram Valley.

The area cultivated by the villagers of Wana plain doubled by the end of 1931 and the people declared their readiness to surrender their firearms if their neighbours also gave up theirs or were deprived of them. A road has been built commencing Fort Sandeman via Gul-kach, on the Gomai river, with Tanal, on the Sarawal-Wana road. A road, as yet roughly made, but suitable for motor transport has been constructed from Razmak through Kamguram, in the heart of the Mahsud country to Wana. It was completed in 1933 and the only disputes connected with its construction arose from the rivalry of the tribesmen whose villages lie along the route and who sometimes fought one another to secure road making contracts.

A startling new development upon the North West Frontier during 1930 was the spread thereto of agitation carried on by the

Indian National Congress in the interior of India in pursuit of its efforts to bring political pressure to bear upon the Government of India, and above them, His Majesty's Government. The Congress at its annual session at Lahore in the week following Christmas, 1929, adopted a programme aiming at the separation of India from the British Empire and at the promotion of revolution in India to secure this end. In particular, it avowedly set out "to make Government impossible." Revolutionary agitation, and especially a campaign to promote disobedience of the civil law in order to bring the administration to a stand still, commenced all over India immediately after the Congress meetings. The settled districts of the N.W.F.P. were the scene of this, in common with the rest of the land. The agitation was there carried on by Congress agents organised in what are known as Khilafat Committees. For their purpose they made special use of misrepresentations of the Sarda Act, recently passed by the Indian Legislature by the official and Hindu votes against the opposition of the Muslim non official members. This measure makes illegal and provides penalties for the marriage of boys and girls below stated minimum ages. The age at which marriage may take place is also in general terms laid down for Mohammedans by their religious law. Hence, the Muslims in British India, while acknowledging that the Sarda Act would not in practice affect them, because its provisions in no way over rule their religious law, nevertheless saw in the measure an act affecting the domain of their religious law, and passed, in spite of their dissent, in a Legislature in which Muslims are, by themselves, a hopeless minority. They regarded its enactment as a grave illustration of their fears that under any scheme of democratic self-government in India, Muslim interests would not be safe against disregard by the Hindu majority.

Outbreak at Peshawar in 1930—This Muslim apprehension, after the passing of the Act, strongly influenced the attitude of the community towards all questions of political reform, and the lever which misrepresentation of the Act provided for stirring up anti Government agitation in the almost wholly and fanatical Muslim province in the north can easily be understood. Grossly untrue propaganda was carried on, it was, for instance, alleged that under the Act all girls must be medically examined before marriage. An elaboration of this untruth was that the Government were recruiting a large body of Hindu inspectors to make the examinations. And the agitation was deliberately pushed outwards from the settled districts of the N.W.F.P. into the tribal areas. Waziristan was amongst the first of them to be inundated with the propaganda. This was in March-April 1929. The poison spread outwards from Peshawar into Tirah about the same time. The agitation was sedulously carried on in the district northward of Peshawar city and from thence was pushed into Mohmand country. The first point of violent combustion was Peshawar city, where the mob murderously broke out on 23rd April 1930. Within a short time, Afridi bands descended the ravines and nullahs from Tirah to join in the fray. The Mohmands became

greatly excited and sent down bands to sit near the border and watch for an opportunity to join in. The Upper Tochi Wazirs simultaneously took to arms and shortly afterwards the Mahsud Wazirs, about Ladha, did the same. At this stage, the development of the Air arm in India proved of incalculable value. Aero planes patrolled the whole country, and were frequently employed by the political authorities to take preventive and punitive action by bombing. The road system, meanwhile, enabled troops to be moved at will to positions of advantage for dealing with whatever serious tribal aggression appeared likely.

In the result, the Mohmands, after being bombed several times, found discretion the better part of valour and made no descent in force. The Afridis twice endeavoured to raid Peshawar in force but by combined air and land action were both times driven back to their hills with no achievement to report. The Orakzais of southern Tirah threatened to descend by the Ublan Pass upon Kohat and their western clans attacked a post in the Upper Kurram and endeavoured to attack Parachinar. Helped by the machinations of Congress agents, they succeeded in drawing two or three clans of Afghan tribesmen across the border into the fray. Combined air and ground action crushed these efforts. The Tochi Wazirs heavily attacked Datta Khel, but were speedily brought to order by force. The Mahsuds were similarly repulsed and punished when they assaulted Scharogha, in the valley of the Takli Zam.

All outbreaks of revolt were suppressed in the same manner and the establishment of new fortified posts on the Peshawar plain, immediately opposite the main valleys leading out of Tirah, and the construction of roads for their service, now indicate the application of the new frontier policy in that region. The Afridis long refused to assent to these, but being thereby deprived of access to their normal winter grazing grounds on the Khajuri and Aka khul plain, and prevented from visiting Peshawar, their marketing centre, they came in an accepted peace under the new conditions before the opening of the winter of 1931-32.

It will be seen that the events of the summer of 1930 put the policy to a severe test, and that its successful operation in the emergency was specially assisted by the Royal Air Force. The resultant position appears, then, to be that the control of the tribes, where the policy has already been expressed in road building and in the establishment of suitable garrisons, is effective, that the political and military ground organization with which the policy is supported brings about the introduction of the ameliorative influence of civilization, and that the rapidity and success with which the Royal Air Force can operate over the hills, tends to diminish the amount of ground force necessary. On the other hand, the two descents of the Afridis upon the plain and their return to their homes without great loss, despite all that the Royal Air Force and large bodies of troops could do, indicate the capacity for mischief which lies in the hands of the Tirah

tribes, and must remain there so long as the policy is not extended over their hill-lands.

Mohmand Outbreak in 1937--
In disturbances in the Mohmand country during the summer of 1937 both illustrated the operation of the modern frontier policy and the need to keep it a live policy if it is to be of any use at all. The Mohmands are for the purpose of present description divided into two orders or clans, the Upper Mohmands who live in the hill-lands of the Mohmand country, and the Lower Mohmands who occupy tracts from the lower altitudes of the same hill down to the Peshawar Plain. Through the country of the Upper Mohmands pass the Durand line, but the Afghan Government have never agreed to its delimitation in part of the reason and consequently it has long been taken over a considerable portion of the length of the frontier which is described as the *Upper Frontier*. The exact position of the latter has never been settled between the two governments and it is consequently sometimes difficult to say whether people from particular villages belong to one side or to the other of it.

In 1932, during the revolutionary Red Shirt campaign, in connection with the Indian National Congress, in the Peshawar Plain, the Upper Mohmands decided to join in the disturbances and raids in the administered territory immediately northward of Peshawar. The Lower Mohmands are described as the *Assured Tribes*. The meaning of the description is that the British Indian authorities assure them protection against the attacks of the Upper Mohmands and they, on the other hand, are bound by promises of good behaviour. The Assured Tribes in 1932 interfered with the programme of the Upper Mohmands for raiding the plain and the Upper Mohmands in 1937, when spring and early summer once more facilitated their methods of campaigning, commenced retributory raids upon the Halmizid and other Assured clans. The attacked clans appealed to the political authorities for help and that help they were obliged to give.

About the same time as this trouble was germinating, there appeared in Bajaur, a country immediately to the north of that in which the events just described developed, a Pretender to the Afghan throne. He was accompanied by two companions and started a campaign in Bajaur for a revolution or such other trouble as might be possible in Afghanistan. This compelled the British Indian authorities to take measures in fulfilment of their obligations of good neighbourliness to Afghanistan.

Road construction from the Peshawar Shabkadr road northwards through Ghulam into the Halmizid country and towards the passes which lead from that country into the upper extremities of the Bajaur Valley was undertaken and two brigades of troops, with other details, were sent forward up it to assist in dealing with the Upper Mohmands. At the same time, aeroplanes bombarded the village of Kotkai in Upper Bajaur, which had given shelter to the Pretender, further aerial demonstrations were made and the Bajauris were given an ultimatum demanding the surrender of the Pretender by a given date.

The Upper Mohmands continuing aggressive and the Bajauris obdurate, there was good prospect of a campaign over the same country as that covered by the campaign of 1897. It seemed likely that the Ghilzai Road would be continued into the upper extremity of Bajaur and that another road for troops would also have to be constructed up the Bajaur valley itself so that by the meeting of the two roads in Upper Bajaur, there would become established a circular road through this part of the tribal territory, resembling that running through North Waziristan.

In the end, the Upper Mohmands, partly doubtless because of punishment which they

received in certain encounters with our troops and partly probably because of influence brought to bear upon them from Kabul, retired to their hills and after negotiations entered into bonds to keep the peace, and the Bajauris, while maintaining on grounds of tribal custom their refusal to surrender the Pretender, nevertheless expelled that person from their territory, probably into Afghanistan. Here, then, the trouble ceased. The net result of it is the construction of the road through Ghilzai and the rapid development of bus services and other activities of civilization which speedily took place along it.

VI—AFGHANISTAN.

The relations of Afghanistan with the Indian Empire were for long dominated by one main consideration—the relation of Afghanistan to a Russian invasion of India. All other considerations were of secondary importance. For nearly three-quarters of a century the attitude of Great Britain toward successive Amirs has been dictated by this one factor. It was in order to prevent Afghanistan from coming under the influence of Russia that the first Afghan War of 1838 was fought—the most melancholy episode in Indian frontier history. It was because a Russian envoy was received at Kabul whilst the British representative was turned back at Ali Masjid that the Afghan War of 1878 was waged. After that the whole end of British policy toward Afghanistan was to build up a strong independent State, friendly to Britain, which would act as a buffer against Russia, and so to order our frontier policy that we should be in a position to move large forces up, if necessary, to support the Afghans in resisting aggression.

Gates to India

A knowledge of the trans-frontier geography of India brought home to her administrators the conviction that there were only two main gates to India—through Afghanistan, the historic route to India, along which successive invasions have poured, and by way of Seistan. It was the purpose of British policy to close them and of Russia to endeavour to keep them at any rate half open. To this end, having pushed her trans-Persian railway to Samarkand, Russia thrust a military line from Merv to the Kushkinsky Post, where railway material is collected for its immediate prolongation to Herat. Later, she connected the trans-Siberian railway with the trans-Caucasian system, by the Orenburg-Tashkent line, thus bringing Central Asia into direct touch with her European magazines. Nor has Great Britain been idle. A great military station has been created at Quetta. This is connected with the Indian railway system by lines of railway which climb to the Quetta Plateau by the Bolan Pass and through the Chappar Rift, lines which rank amongst the most picturesque and daring in the world. From Quetta the line has been carried by the

Khojak tunnel through the Khwaja Amran Range, until it leads out to the Afghan Border at New Chaman, where it opens on the route to Kandahar. The material is stocked at New Chaman which would enable the line to be carried to Kandahar in sixty days. In view of the same menace the whole of Baluchistan has been brought under British control. Quetta is now one of the great strategical positions of the world, and nothing has been left undone which modern military science can achieve to add to its natural strength. In the opinion of many military authorities it firmly closes the western gate to India, either by way of Kandahar, or by the direct route through Seistan.

Further east, the Indian railway system was carried to Jamrud and by the autumn of 1925 up the Khyber Pass to Landi Kotal and down the other side of the Pass to Landi Khana. A first class military road sometimes double, sometimes treble, also threads the Pass to our advanced post at Landi Kotal, and then descends until it meets the Afghan frontier at Landi Khana. Later, a commencement was made with the Lol Shilman Railway, which, starting from Peshawar, was designed to penetrate the Mullazori country and provide an alternative advance to the Khyber for the movement of British troops for the defence of Kabul. For unexplained reasons this line was suddenly stopped and is now thrust in the air. In this wise the two Powers prepared for the great conflict which was to be fought on the Kandahar-Ghazni-Kabul line.

Relations with India

Between the advanced posts on either side stands the Kingdom of Afghanistan. The end of British policy has been to make it strong and friendly. In the first particular it has early and largely succeeded. The second aim may now also be said to have been attained. When the late Abdurrahman was invited to ascend the throne, as the only means of escape from the tangle of 1879, none realised his great qualities. Previously the Amir of Afghanistan had been the chief of a confederacy of clans. Abdurrahman made himself master in his own kingdom. By

means into which it is not well closely to enter, he beat down opposition until none dared lift a hand against him. Aided by a British subsidy of twelve lakhs of rupees a year increased to eighteen by the Durand Agreement of 1893, and subsequently to over 20 lakhs, he established a strong standing army and set up arsenals under foreign supervision to furnish it with arms and ammunition. Step by step his position was regularised. The Anglo-Russian Boundary Commission,—which nearly precipitated war over the Penjdeh episode in 1885,—determined the northern boundaries. The Pamirs Agreement delimited the borders amid those snowy heights. The Durand Agreement settled the border on the British side, except for a small section to the west of the Khyber, which remained a fruitful source of trouble between Afghanistan and ourselves until 1919, when the Afghan claims and action upon the undemarcated section led to war. That section was finally surveyed and the frontier determined shortly after the conclusion of peace with Afghanistan. Finally the McMahon award closed the old feud with Persia over the distribution of the waters of the Helmand in Seistan. It was estimated by competent authorities that about the time of Abdurrahman's death, Afghanistan was in a position to place in the field, in the event of war, one hundred thousand well-armed regular and irregular troops, together with two hundred thousand tribal levies, and to leave fifty thousand regulars and irregulars and a hundred thousand levies to maintain order in Kabul and the provinces. But if Afghanistan were made strong, it was not made friendly. Abdurrahman Khan distrusted British policy up to the day of his death. All that can be said is that he distrusted it less than he distrusted Russia, and if the occasion had arisen for him to make a choice, he would have opposed a Russian advance with all the force at his disposal. He closed his country absolutely against all foreigners, except those who were necessary for the supervision of his arsenals and factories. He refused to accept a British Resident, on the ground that he could not protect him, and British affairs were entrusted to an Indian agent, who was in a most equivocal position. At the same time he repeatedly pressed for the right to pass by the Government of India and to establish his own representative at the Court of St James.

Afghanistan and the War—These relations were markedly improved during the reign of His Majesty the Amir Habibullah Khan. It used to be one of the trite sayings of the Frontier that the system which Abdurrahman Khan had built up would perish with him, for none was capable of maintaining it. Habibullah Khan more than maintained it. He visited India soon after his accession and acquired a vivid knowledge of the power and resources of the Empire. He strengthened and consolidated his authority in Afghanistan itself. At the outset of the war he made a declaration of his complete neutrality. It is believed—a considerable reticence is preserved over our relations with Afghanistan—that he warned the Government of India that he might be forced into many equivocal acts, but that

they must trust him, certainly his reception of Turkish, Austrian and German "missions" at Kabul, at a time when British representatives were severely excluded, was open to grave misconstruction. But a fuller knowledge induced the belief that the Amir was in a position of no little difficulty. He had to compromise with the fanatical and anti-British elements amongst his own people, inflamed by the Turkish preaching of a jihad, or holy Islamic war. But he committed no act of hostility, as soon as it was safe to do so he turned the members of these missions out of the kingdom. At the end of the war his policy was completely justified: he had kept Afghanistan out of the war, he had adhered to the winning side; his authority in the kingdom and in Central Asia was at its zenith.

Murder of the Amir—It is believed that if he had lived Habibullah Khan would have used this authority for a progressive policy in Afghanistan, by opening up communication and extending his engagements with India. He was courted by the representatives of Persia and the Central Asian States as the possible rallying centre of a Central Asian Islamic confederation. At this moment he was assassinated on the 20th February 1919. The circumstances surrounding his murder have never been fully explained, but there is strong ground for the belief that it was promoted by the reactionaries who had harassed him all his reign. These realised that with his vindication by the war their time of reckoning had come: they anticipated it by suborning one of his aides to murder him in his sleep. His brother, Nasrullah Khan, the nominee of the fanatical element, was proclaimed Amir at Jelalabad in his stead, but public opinion in Afghanistan revolted at the idea of the brother seizing power over the corpse of the murdered man. His sons, Hayat and Amanullah, were not disposed to waive their heritage. Amanullah was at Kabul, controlling the treasury and the arsenal and supported by the Army. Nasrullah found it impossible to make head against him and withdrew. The new Amir, Amanullah, at once communicated his accession to the Government of India and proclaimed his desire to adhere to the traditional policy of friendship. But his difficulties at once commenced, he had to deal with the war party in Afghanistan, he was confronted with the dissatisfaction arising from the manner in which the murderers of Habibullah had been dealt with, the fanatical element was exasperated by the imprisonment of Nasrullah, and the Army was so incensed that it had to be removed from Kabul and given occupation to divert its thoughts. A further element of complexity was introduced by the political situation in India. The agitation against the Rowlatt Act was at its height. The disturbances in the Punjab and Gujarat had taken place. Afghan agents in India, of whom the most prominent was Ghulam Hyder Khan, the Afghan postmaster at Peshawar, flooded Afghanistan with exaggerated accounts of the Indian unrest. The result of all this was to convince the Amir that the real solution of his difficulties was to unite all the disturbing elements in a war with India. On the 25th April his troops were set in motion and simultaneously a stream of anti-British propaganda

commenced to flow from Kabul and open intrigue was started with the Frontier tribes on whom the Afghans placed their chief reliance

Speedy Defeat—The war caught the Army in India in the throes of demobilisation and with a large proportion of the seasoned troops on service abroad. Nevertheless the regular Afghan Army was rapidly dealt with. Strong British forces moved up the Khyber and seized Dacca. Jelalabad was repeatedly bombed from the air and also Kabul. Nothing but a shortage of mechanical transport prevented the British forces from seizing Jelalabad. In ten days the Afghans were severely defeated. On the 14th May they asked for an Armistice. With the usual Afghan spirit of haggling, they tried to water down the conditions of the armistice, but as they were met with an uncompromising emphasis of the situation they despatched representatives to a conference at Rawalpindi on the 26th July. On the 8th August a Treaty of Peace was signed which is set out in the Indian Year Book, 1923, pp 196-197.

Post-War Relations—It will be seen that under this Treaty the way was paved for a fresh engagement six months afterwards. During the hot weather of 1920 there were prolonged discussions at Mussorie between Afghan Representatives and British officials under Sir Henry Dobbs. These were private, but it is believed that a complete agreement was reached. Certainly after an interchange of Notes which revealed no major point of difference it was agreed that a British Mission should proceed to Kabul to arrange a definite treaty of peace. This Mission crossed the Border in January 1921 and entered Kabul where a peace treaty was signed.

The main points of the Treaty are set out in the Indian Year Book, 1923, pp 197, 198-199.

Afghanistan after the War—Since the War the relations between Afghanistan and Great Britain have been good and improving. There were painful episodes in 1923 when a murder gang from the tribal territory on the British side of the Frontier committed raids in British India, murdering English people and kidnapping English women and then took refuge in Afghanistan. In course of time this gang was broken up. His Majesty the King of Afghanistan had troubles within his own borders which have made him glad of British help. The main object of his government was to strengthen the resources of the country and to bring it into closer relation with modern methods of administration. But Afghanistan is an intensely conservative country and no changes are popular, especially violent was the opposition to a secular form of administration and education. The direct result was a formidable rebellion of Mangals and Zadrans in the Southern Provinces, and serious reverses to the regular troops sent against the rebels. At one time the position was serious, but the rebels were not sufficiently united to develop their successes, and with the aid of aeroplanes and other assistance afforded by the Government of India the insurrection was broken. Whilst this assistance was appreciated,

the whole business gave a serious set-back to the reforms initiated by His Majesty, he had to withdraw almost the whole of his administrative code and to revert to the Mahomedan Law which was previously in force.

Bolshevik Penetration—Taking a long view, a much more serious development of the policies of Afghanistan, at the period to which the foregoing notes apply was the penetration of the Bolsheviks. These astute propagandists have converted the former Trans-Caspian States of Tsarist Russia into Soviet Republics, where the rule of the Bolsheviks is much more drastic and disruptive than was that of what was called the despotism of the Romanoffs. The object of this policy is gradually to sweep into the Soviet system the outlying provinces of Persia, of China and of Afghanistan. In Persia this policy was folled by the vigour of the Sipar Salah, Reza Khan, since declared Shah. In Chinese Turkestan it is pursued with qualified success. In Afghanistan it also made certain progress. The first step of the Bolsheviks was to extend the Soviet Republics of Tajikistan, Uzbekia and Turkmanistan so as to absorb all Northern Afghanistan. This was later, apparently, abandoned for the moment for a more gentle penetration. Large subsidies, mostly delivered in kind, were given to Afghanistan. Telegraph lines were erected all over the country, roads were constructed, large quantities of arms and ammunition were supplied, whilst an air force with Russian pilots and mechanics was created and was largely developed. In return the Bolsheviks received important trading facilities. The whole purpose of this policy was ultimately to make it possible to attack Great Britain in India through an absorbed Afghanistan.

It is very doubtful if the Amir and his advisers were deceived by these practices, and whether they did not pursue the simple plan of taking all they could get without the slightest intention of handing themselves over to the Bolsheviks. But it is easier to let the Bolshevik in than to get him out, friends of the Afghans were asking themselves whether the Amir was not nourishing vipers in his bosom. Towards the end of 1925 and in the early part of 1926 there was a rude awakening. The Northern Frontier of the country has always been unsettled because of the shifting courses of the Oxus. In December Bolshevik forces captured with violence the Afghan post of Darkabad, killing one soldier. These events aroused great indignation at Kabul and were denounced by the Amir *coram publico*. There is no little evidence to show that though the form of government has changed in Russia the aims of Russian policy are the same. It used to be said that the test of Russian good faith under the Anglo-Russian Agreement would be the attitude of Petrograd towards the extension of the Orenberg-Tashkent railway to Termez. That line has been constructed by the Bolsheviks. The Afghans have had their eyes opened.

Russo-Afghan Treaty—Outwardly the relations between the two States are friendly. In December 1926 the Afghan papers published the text of a new treaty concluded with Soviet Russia, which was signed on August 31st, but

it provided that it should in no way interfere with the secret treaty signed in Moscow on February 28th, 1921. The principal clauses of this treaty, as disclosed in the Afghan papers, are as follows —

Clause 1—In the event of war or hostile action between one of the contracting parties and a third power or powers the other contracting party will observe neutrality in respect of the first contracting party.

Clause 2—Both the contracting parties agree to abstain from mutual aggression, the one against the other. Within their own dominions also they will do nothing which may cause political or military harm to the other party. The contracting parties particularly agree not to make alliances or political and military agreements with any one or more other powers against each other. Each will also abstain from joining any boycott or financial or economic blockade organized against the other party. Besides this in case the attitude of a third power or powers is hostile towards one of the contracting parties, the other contracting party will not help such hostile policy, and, further, will prohibit the execution of such policy and hostile actions and measures within its dominions.

Clause 3—The high contracting parties acknowledge one another's Government as rightful and independent. They agree to abstain from all sorts of armed or unarmed interference in one another's internal affairs. They will decidedly neither join nor help any one or more other powers which interfere in or against one of the contracting Governments. None of the contracting parties will permit in its dominions the formation or existence of societies and the activities of individuals whose object is to gather armed force with a view to injuring the other's independence, or otherwise such activities will be checked. Similarly neither of the contracting parties will allow armed forces, arms, ammunition, or other war material, meant to be used against the other contracting party to pass through its dominions.

Clause 6—This treaty will take effect from the date of its ratification, which should take place within three months of its signature. It will be valid for three years. After this period it will remain in force for another year provided neither of the parties has given notice six months before the date of its expiry that it would cease after that time.

On March 23rd there was also signed in Berlin a treaty between Germany and Afghanistan which amounted to no more than the establishment of diplomatic relations.

A British Minister is established in Kabul as well as the representatives of other European States. The representatives of Afghanistan are established in India and in London, and at some of the European capitals. The various subsidiary agreements under the Treaty have been carried into effect.

The King's Tour—In the closing months of 1927 His Majesty King Amanulla, accompanied by the Queen and a staff of officials, commenced

a long tour to India and Europe. It is understood that this was one of the cherished ambitions of his father, King Habibullah, who was assassinated in 1919. King Amanulla, when he set out, was warmly welcomed in India and received a great popular greeting in Bombay both from his co-religionists and from members of other communities, who forgot the invasion of India in 1919. He then took ship to Europe. He was the guest of His Majesty King George V in London, and visited the principal European capitals. He made a State visit to Turkey and returned to Afghanistan by way of Soviet Russia and Persia. A series of treaties with the governments of the countries visited was announced and the King returned to Kabul in the late summer of 1928, the tour having been unclouded by untoward incident. Afghanistan was peaceful during his long absence.

Reforming Zeal—King Amanulla returned to his realm as full of reforming zeal. He was much impressed by the political and social institutions of the western lands he visited, and in particular by the dramatic forcefulness with which Mustapha Kemal Pasha had driven Turkey along the path of "reform," or perhaps it would be more correct to say westernisation. In this he was encouraged by the Queen, who was desirous of seeing the women of Afghanistan enjoy some of the freedom and opportunity won by and for the women of the West. Directly after his return an edict was issued, changing the whole structure of Afghan society. New codes and taxes were imposed. It was proposed that women should emerge from their seclusion and doff the veil, the co-education of boys and girls was prescribed, in September Government officials were forbidden to practise polygamy, in October European dress was ordered for the people of Kabul. At the same time, the pay of the regular troops fell into arrear.

With every appreciation of the spirit and direction of these changes, friends of His Majesty advised the King to moderate the pace. They reminded him that in 1924 far less drastic changes had brought serious trouble in their train. In May of that year the "Lame Mullah" raised the standard of rebellion amongst the Gilzai and Mangal clansmen of Khost. The Mullahs were openly active against the King and His Majesty was equally frank in his hostility to them. Possibly also well-wishers suggested that what was possible in Turkey, after centuries of close contact with the West, and where the ground had been prepared by missionary effort and a long struggle for the emancipation of women, might be less easy in Afghanistan, where there had been no contact with the western world.

A change of Kings—Events moved rapidly in 1929. A notorious north Afghan *budmash*, Bacha-i Saqqao, raised the standard of revolt and inflicted severe losses on the Afghan Regular troops, discontented as they were by arrears of pay. Day by day the Afghan representatives in various parts of the world issued messages asserting that the rebels had been destroyed, and a rapid series of pronouncements declared the withdrawal of all the reforms and the establishment of a Council of Provincial Representatives. Communications with the

outer world were broken. King Amanullah and his family fled from Kabul to Kandahar, and then from Kandahar via Quetta to Bombay where they took ship to Europe. King Amanullah on his arrival at Rome entered into possession of the Afghan Legation, where he remained. Bacha-i Saggao declared himself King of Afghanistan, and for a few months held his position in Kabul. Without money, administrative experience or a disciplined following, his throne was a thorny one and he was harassed by constant attacks. The Royal Air Force in India meanwhile went to the rescue of the British Nationals beleaguered in and around Kabul and in a series of brilliant flights evacuated all without the slightest hitch. The most formidable of the new king's adventures were led by General Nadir Khan, a scion of the old ruling house, with a wide knowledge of the world. Heavily fighting took place. Fortunes varied. Nadir Khan almost gave up his chances as finally lost. But a band of Wazirs from the British side of the border attracted by prospects of loot, joined Nadir and finally seized Kabul in his name and interest. Nadir Khan thus became victor and shortly afterwards, at the wish of the Afghans, Bacha-i Saggao was executed with other rebels, and when the year closed Nadir Khan was to all seeming in firm possession of the Kingdom. He despatched members of his family to the principal Afghan Legations in Europe. A Shinwari rising near the exit from the Khyber Pass took place in February 1930, and was repressed with unexpected success and vigour. There followed a serious rebellion in Kohistan, Bacha-i Saggao's country. This also was promptly quelled. And thereafter Nadir Shah ruled without challenge. He devoted himself to the reorganisation of his Army. England was strictly neutral during the successive stages of the revolution, but promised support to Afghanistan to help her maintain internal peace when she had restored it and this promise was fulfilled by the

provision of an interest free loan of £200,000 to King Nadir and by the supply of rifles and ammunition to him. He gave evidence of his friendliness towards Britain and India. He co-operated effectively to prevent tribes on his side of the frontier joining those on the British side against the Government of India in response to the Congress agitation in the summer of 1930. The trade routes were re-opened and the new King again took up Amanullah's mantle of reform but in a statesmanlike manner which carried the Mullah's along with him.

Murder of Nadir Shah—His ordered march of progress was tragically interrupted by the murder of His Majesty Nadir Shah on the afternoon of 8 November 1933. His Majesty was attending a football tournament prize giving, when a young man among the gathering stepped forward and fired several revolver shots into him at close range, killing him instantly. It later appeared that the assassin committed the crime in revenge for the execution of a prominent Afghani who had been caught deeply involved in treasonable activities after he had been mercifully treated for earlier behaviour of the same kind. The assassin's father was stated to have been this man's servant. The murder was not followed by general or widespread disorder. The members of Nadir Shah's family and his prominent officers of State stood loyally by his heir his son, Muhammad Zahir. The latter was duly placed on his father's throne and his accession was in due course acknowledged and confirmed throughout the kingdom in the traditional manner. The new king started his reign with a high reputation for courage and steadiness. He early issued assurances to his people that he would continue the policy of his father in affairs of State. No untoward events have occurred in the months that have since past.

British Representative—Sir R. R. Macdonald, K. B. E., C. I. L.

VII.—TIBET.

Recent British policy in Tibet is really another phase in the long drawn-out duel between Great Britain and Russia in Central Asia. The earliest efforts to establish communication with that country were not, of course, inspired by this apprehension. When in 1774 Warren Hastings despatched Bogle on a mission to the Tashi-Lama of Shigatse,—the spiritual equal if not superior, of the Dalai Lama of Lhasa,—his desire was to establish facilities for trade, to open up friendly relations with a Power which was giving us trouble on the frontier, and gradually to pave the way to a good understanding between the two countries. After Warren Hastings' departure from India the subject slept, and the last Englishman to visit Lhasa, until the Younghusband Expedition of 1904, was the unofficial Manning. In 1885, under the inspiration of Colman Maclaulay, of the Bengal Civil Service, a further attempt was made to get into touch with the Tibetans, but it was abandoned in deference to the opposition of the Chinese, whose suzerainty over

Tibet was recognised, and to whose view until the war with Japan, British statesmen were inclined to pay excessive deference. But the position on the Tibetan frontier continued to be most unsatisfactory. The Tibetans were aggressive and obstructive, and with a view to putting an end to an intolerable situation, a Convention was negotiated between Great Britain and China in 1890. This laid down the boundary between Sikkim and Tibet, it admitted a British protectorate over Sikkim, and paved the way for arrangements for the conduct of trade across the Sikkim-Tibet frontiers. These supplementary arrangements provided for the opening of a trade mart at Yatung, on the Tibetan side of the frontier, to which British subjects should have the right of free access, and where there should be no restrictions on trade. The agreement proved useless in practice, because the Tibetans refused to recognise it, and despite their established suzerainty, the Chinese Government were unable to secure respect for it.

Russian Intervention

This was the position when in 1890 Lord Curzon, Viceroy of India, endeavoured to get into direct touch with the Tibetan authorities. Three letters which he addressed to the Dalai Lama were returned unopened, at a time when the Dalai Lama was in direct intercourse with the Tsar of Russia. His emissary was a Siberian Dorjjeff, who had established a remarkable ascendancy in the counsels of the Dalai Lama. After a few years' residence at Lhasa Dorjjeff went to Russia on a confidential mission in 1899. At the end of 1900 he returned to Russia at the head of a Tibetan mission of which the head was officially described in Russia as "the senior Tsanle Khoimba attached to the Dalai Lama of Tibet." This mission arrived at Odessa in October 1900, and was received in audience by the Tsar at Livadia. Dorjjeff returned to Lhasa to report progress and in 1901 was at St. Petersburg with a Tibetan mission, where as bearers of an autograph letter from the Dalai Lama they were received by the Tsar at Peterhoff. They were escorted home through Central Asia by a Russian force to which several Intelligence Officers were attached. At the time it was rumoured that Dorjjeff had, on behalf of the Dalai Lama, concluded a treaty with Russia, which virtually placed Tibet under the protectorate of Russia. This rumour was afterwards officially contradicted by the Russian Government.

The Expedition of 1904

In view of these conditions the Government of India, treating the idea of Chinese suzerainty over Tibet as a constitutional fiction, proposed in 1903, to despatch a mission, with an armed escort, to Lhasa to discuss the outstanding questions with the Tibetan authorities on the spot. To this the Home Government could not assent, but agreed, in conjunction with the Chinese Government, to a joint meeting at Khamba Tong, on the Tibetan side of the frontier. Sir Francis Younghusband was the British representative, but after months of delay it was ascertained that the Tibetans had no intention of committing themselves. It was therefore agreed that the mission, with a strong escort, should move to Gyatse. On the way the Tibetans developed marked hostility, and there was fighting at Tuna, and several sharp encounters in and around Gyatse. It was therefore decided that the mission should advance to Lhasa, and on August 3rd, 1904, Lhasa was reached. There Sir Francis Younghusband negotiated a convention by which the Tibetans agreed to respect the Chinese Convention of 1890, to open trade marts at Gyatse, Gartok and Yatung to pay an indemnity of £500,000 (seventy-five lakhs of rupees), the British to remain in occupation of the Chumbi Valley until this indemnity was paid off at the rate of a lakh of rupees a year. In a separate instrument the Tibetans agreed that the British Trade Agent at Gyatse should have the right to proceed to Lhasa to discuss commercial questions, if necessary.

Home Government intervenes

For reasons which were not apparent at the time, but which have since been made clearer,

the Home Government were unable to accept the full terms of this agreement. The indemnity was reduced from seventy-five lakhs of rupees to twenty-five lakhs, to be paid off in three years, and the occupation of the Chumbi Valley was reduced to that period. The right to despatch the British Trade Agent to Lhasa was withdrawn. Two years later (June 1906) a Convention was concluded between Great Britain and China regulating the position in Tibet. Under this Convention Great Britain agreed neither to annex Tibetan territory, nor to interfere in the internal administration of Tibet. China undertook not to permit any other foreign State to interfere with the territory or internal administration of Tibet. Great Britain was empowered to lay down telegraph lines to connect the trade stations with India, and it was provided that the provisions of the Convention of 1890, and the Trade Regulations of 1893, remained in force. The Chinese Government paid the indemnity in three years and the Chumbi Valley was evacuated. The only direct result of the Mission was the opening of the three trade marts and the establishment of a British Trade Agent at Gyatse.

Chinese Action

The sequel to the Anglo-Russian Agreement was dramatic, although it ought not to have been unexpected. On the approach of the Younghusband Mission the Dalai Lama fled to Urga, the sacred city of the Buddhists in Mongolia. He left the internal government of Tibet in confusion, and one of Sir Francis Younghusband's great difficulties was to find Tibetan officials who would undertake the responsibility of signing the Treaty. Now the suzerainty of China over Tibet had been explicitly reaffirmed. It was asserted that she would be held responsible for the foreign relations of Tibet. In the past this suzerainty, having been a 'constitutional action,' it was inevitable that China should take steps to see that she had the power to make her well respected at Lhasa. To this end she proceeded to convert Tibet from a vassal state into a province of China. In 1908 Chao Erh feng, Acting Viceroy in the neighbouring province of Szechuen, was appointed Resident in Tibet. He proceeded gradually to establish his authority, marching through eastern Tibet and treating the people with great severity. Meantime the Dalai Lama, finding his presence at Urga, the seat of another Buddhist Pontiff, irksome, had taken refuge in Si ning. Thence he proceeded to Peking where he arrived in 1908, was received by the Court, and despatched to resume his duties at Lhasa. Moving by leisurely stages, he arrived there at Christmas, 1909. But it was soon apparent that the ideas of the Dalai Lama and of the Chinese Government had little in common. The Dalai Lama expected to resume the temporal and spiritual despotism which he had exercised prior to 1904. The Chinese intended to deprive him of all temporal power and preserve him as a spiritual pope. The Tibetans had already been exasperated by the pressure of the Chinese soldiery. The report that a strong Chinese force was moving on Lhasa so alarmed the Dalai Lama that he fled from Lhasa, and by the irony of fate sought a refuge in India. He

was chased to the frontier by Chinese troops, and took up his abode in Darjeeling, whilst Chinese troops overran Tibet.

Later Stages

The British Government, acting on the representations of the Government of India, made strong protests to China against this action. They pointed out that Great Britain while disclaiming any desire to interfere with the internal administration of Tibet, could not be indifferent to disturbances in the peace of a country which was a neighbour on intimate terms with other neighbouring States on our frontier, especially with Nepal, and pressed that an effective Tibetan Government be maintained. The attitude of the Chinese Government was that no more troops had been sent to Tibet than were necessary for the preservation of order, that China had no intention of converting Tibet into a province, but that being responsible for the good conduct of Tibet, she must be in a position to see that her wishes were respected by the Tibetans. Finally, the Chinese remarked that the Dalai Lama was such an impossible person that they had been compelled again to depose him. Here the matter might have rested, but for the revolution in China. That revolution broke out in Szechuen, and one of the first victims was Chao Khr-feng. Cut off from all support from China, surrounded by a hostile and infuriated populace, the Chinese troops in Tibet were in a hopeless case. They surrendered and sought escape not through China but through India, by way of Darjeeling and Calcutta. The Dalai Lama returned to Lhasa, and in 1913, in the House of Lords on July 28, Lord Morley stated the policy of the British Government in relation to these changes. He said the declaration of the President of the Chinese Republic saying that Tibet came within the sphere of Chinese internal administration, and that Tibet was to be regarded as on an equal footing with other provinces of China, was met by a very vigorous protest from the British Government. The Chinese Government subsequently accepted the principle that China is to have no right of active intervention in the internal administration of Tibet, and agreed to the constitution of a conference to discuss the relation of the three countries. This Convention met at Simla when Sir Henry McMahon, Foreign Secretary to the Govern-

ment of India, Mr Ivan Chen, representing China, and Mr Long Chen Shatra, Prime Minister to the Dalai Lama, threshed out these issues. Whilst no official pronouncement has been made on the subject it is understood that a Convention was initiated in June which recognised the complete autonomy of Tibet proper, with the right of China to maintain a Resident at Lhasa with a suitable guard. A semi-autonomous zone was to be constituted in Eastern Tibet, in which the Chinese position was to be relatively much stronger. But this Convention, it is understood, has not been ratified by the Chinese Government, owing to the difficulty of defining Outer and Inner Tibet, and in 1918 Tibet took the offensive and threw off the last vestiges of Chinese suzerainty. When the Chinese province of Szechuan went over to the South, the Central Government at Peking was unable to finance the frontier forces or to withstand the Tibetan advance, which was directed from Lhasa and appeared to be ably managed. After the Tibetan army had occupied some towns on the confines of the Szechuan marshes, hostilities were suspended and an armistice was concluded.

From what has gone before, it will be seen that the importance which formerly attached to the political condition of Tibet was much less a local than an external question, and was influenced by our relations with Russia and China rather than with our relations with Tibet. Russia having relapsed into a state of considerable confusion, and China having relapsed into a state of absolute confusion, these external forces temporarily at any rate disappeared, and Tibet no longer loomed on the Indian political horizon. The veil was drawn afresh over Lhasa, and affairs in that country pursued an isolated course, with this considerable difference. The Dalai Lama was now on terms of the greatest cordiality with the Government of India. In 1920 he requested that a British officer should be sent to discuss with him the position in Central Asia brought about by the Revolution in Russia and the collapse of Government in China, and Mr Bell, C.M.G., I.C.S., Political Officer in Sikkim, was deputed for this purpose. In 1922 telephonic communication between Lhasa and India was established.

British Trade Agent Guantse and Yatung — Captain A. A. Russell, M.C.

VIII — THE NORTH-EASTERN FRONTIER.

The position on the northern frontier has been considered as if the British line were contiguous with that of Tibet. This is not so. The real frontier States are Kashmir, Nepal, Sikkim and Bhutan. From Chitral to Gilgit, now the northernmost posts of the Indian Government, to Assam, with the exception of the small wedge between Kashmir and Nepal, where the British district of Kumaon is thrust right up to the confines of Tibet for a distance of nearly fifteen hundred miles there is a narrow strip of native territory between British India and the true frontier. The first of these frontier States is Kashmir. The characteristics of this State are considered under Indian States

(q.v.), it is almost the only important Native State in India with frontier responsibilities and it worthily discharges them through the agency of its efficient Indian State troops—four regiments of infantry and two Mountain Batteries, composed mainly of the Rajput Dogras, who make excellent fighting material. One of the most important trade routes with Tibet passes through Kashmir—that through Ladakh. Then we come to the long narrow strip of Nepal. This Gurkha State stands in special relation with the British Government. It is for all practical purposes independent, and the British Resident at Khatmandu exercises no influence on the internal administration. The governing

machine in Nepal is also peculiar. The Maharaj (Dhiraj), who comes from the Serodla Rajput clan, the bluest blood in India, takes no part in the administration. All power vests in the Prime Minister, who occupies a place equivalent to that of the Mayors of the Palace, or the Shoguns of Japan. The present Prime Minister, Sir Chandra Shamsher, has visited England, and has given conspicuous evidence of his attachment to the British Government. Nepal is the main Indian outpost against Tibet or against Chinese aggression through Tibet. The friction between the Chinese and the Nepalese used to be frequent, and in the eighteenth century the Chinese marched an army to the confines of Khatmandu—one of the most remarkable military achievements in the history of Asia. Under the firm rule of the present Prime Minister Nepal has been largely free from internal disturbance, and has been raised to a strong bulwark of India. Nepal is the recruiting ground for the Gurkha Infantry, who form such a splendid part of the fighting arm of the Indian Empire. Beyond Nepal are the smaller States of Bhutan and Sikkim, whose rulers are Mongolian by extraction and Buddhists by religion. In view of Chinese aggressions in Tibet, the Government of India in 1910 strengthened their relations with Bhutan by increasing their subsidy from fifty thousand to a lakh of rupees a year, and taking a guarantee that Bhutan would be guided by them in its foreign relations. Afterwards China was officially notified that Great Britain would protect the rights and interests of these States. At the request of the Nepalese Government a British railway expert was deputed to visit the country and advise on the best means of improving communications with India. As the result of his report the Nepalese Government have decided to construct a light railway from Bhichhakhorl to Raxaul. Great success has attended the orders passed by the Nepalese Government abolishing slavery.

Assam and Burma

We then come to the Assam border tribes—the Dasas, the Miris, the Abors and the Mishmis. Excepting the Abors none of these tribes has recently given trouble. The murder of Mr Williamson and Dr Gregorson by the Misnyong Abors in 1911 made necessary an expedition to the Dihang valley of the Abor country on the N. E. frontier. A force of 2,500 and about 400

military police was employed from October 1911 to April 1912 in subduing the tribe. After two or three small actions the murderers were delivered up. The cost of the expedition was Rs. 21,60,000. At the same time friendly missions were sent to the Mishmi and Miri countries. Close contact with these forest-clad and leech-infested hills has not encouraged any desire to establish more intimate relations with them. The area occupied by the Nagas runs northwards from Manipur. The Nagas are a Tibeto-Burman people, devoted to the practice of head hunting, which is still vigorously prosecuted by the independent tribes. The Chin Hills is a tract of mountainous country to the south of Manipur. The corner of India from the Assam boundary to the northern boundary of the Shan States is for the most part included in the Myitkyna and Bhamo districts of Burma. Over the greater part of this area, a labyrinth of hills in the north, no direct administrative control is at present exercised. It is peopled by the Shans and the Kachins. Civilisation is said to be progressing and steps have been taken to prevent encroachments from the Chinese side. There is a considerable trade with China through Bhamo. On the Eastern frontier of Burma are the Shan States, with an area of fifty thousand square miles and a population of 1,300,000. These States are still administered by the Sawbwas or hereditary chiefs, subject to the guidance of Superintendents and Assistant Superintendents. The Northern Shan Railway to Lashio, opened in 1903, was meant to be a stage in the construction of a direct railway link with China, but this idea has been put aside, for it is seen that there can never be a trade which would justify the heavy expenditure. The Southern Shan States are being developed by railway connection. The five Karenni States lie on the frontier south of the Shan States. South of Karenni the frontier runs between Slam and the Tenasserim Division of Burma. The relations between the Indian Government and the progressive kingdom of Slam are excellent. A notable humanitarian development of recent years is the success of the measures to abolish slavery in the Hukawng Valley. In this remote place in the north-east of Burma a mild system of slavery existed, but in response to the initiative and pressure of British officers they were all freed by April 1926.

NEPAL.

The small hilly independent Kingdom of Nepal is a narrow tract of country extending for about 520 miles along the southern slope of the central axis of the Himalayas. It has an area of about 56,000 square miles, with a population of about 5,580,000, chiefly Hindus. The greater part of the country is mountainous, the lower slopes being cultivated. Above these is a rugged broken wall of rock leading up to the chain of snow clad peaks which culminate in Mount Everest (29,002 feet) and others of slightly less altitude. The country before the Gurkha occupation was split up into several small kingdoms under Newar kings. The Gurkhas under Prithvi Narayan Shah overran and conquered the different kingdoms of Patan, Kathmandu, and Bhaktgaon, and other places during the latter half of the 18th century and since then have been rulers of the whole of Nepal. In 1846 the head of the Rana family Maharaja Jung Bahadur Rana, obtained from the sovereign the perpetual right to the office of Prime Minister of Nepal, and the right is still enjoyed by the descendants of the Rana family. In 1850 Jung Bahadur paid a visit to England and was thus the first Hindu Chief to leave India and to become acquainted with the power and resources of the British nation. The relations of Nepal with the Government of India are regulated by the treaty of 1816 and subsequent agreements by which a representative of the British Government is received at Kathmandu. By virtue of the same Treaty either Government maintained a representative at the Court of the other and her treaty relations with Tibet allow her to keep a Resident at Lhasa of her own. Her relation with China is of a friendly nature. Ever since the conclusion of the treaty of 1816 the friendly relations with the British Government have steadily been maintained. During the rule of the late Prime Minister it has been at its height, as is evidenced by the valuable friendly help in men and money which has been given and which was appreciatively mentioned in both the Houses of Parliament and by Mr Asquith in his Guildhall speech in 1915. The message from His Majesty the King Emperor to the Nepalese Prime Minister sent on the termination of hostilities and published at the time as also Viceroy's valedictory address to the Nepalese contingent on the eve of their return home after having laudably fulfilled their mission in India eloquently and gratefully acknowledged the valuable help rendered by Nepal during the four and a half years of war. In recognition of this help Nepal receives an unconditional annual present of Rupees ten lakhs from the British Government to be paid in perpetuity. To further strengthen and cement the bonds of friendship that have subsisted so long between the two countries, a new Treaty of friendship was concluded between the Government of Nepal and Great Britain on the 21st December 1923.

From the foregoing account of the history of Nepal it will be seen that the Government of the country has generally been in the hands of the Minister of the day. Since the time of Jung Bahadur this system of government has been clearly laid down and defined. The sovereign, or Maharajadhiraja, as he is called, is but a

dignified figure-head, whose position can best be likened to that of the Emperor of Japan during the Shogunate. The present King, His Majesty Maharajadhiraja Tribhubana Bir Bikram Jung Bahadur Shah Bahadur Shum Shere Jung Deva, ascended the throne on the death of his father in 1911. The real ruler of the country is the Minister who, while enjoying complete monopoly of power, couples with his official rank the exalted title of Maharaja. Next to him comes the Commander-in-Chief, who ordinarily succeeds to the office of Minister.

The present Minister at the head of affairs of Nepal is Maharaja Bhim, Shum Shere Jung Bahadur Rana, GCSI, GCMG, KCMO, Yit Tang-Paoing-Shun Chuan, Luh Chuan Shing Chung (Chinese), Honorary Lieutenant General British Army and Hon Colonel, 4th Gurkhas, who succeeded the late Maharaja Chandra Shum Shere Jung Bahadur Rana as Prime Minister and Supreme Commander in Chief in November 1929. Soon after this accession to power, with the consummate skill and political acumen of a born diplomat he averted a threatened breach of relations with Tibet. A man of proved ability as the Commander-in-Chief of Nepal he has inaugurated several urgent and important works of public utility. Already he has abolished certain uneconomical imposts such as those on salt, cotton, etc., has tentatively suspended capital punishment in the kingdom with a view to its final abolition, constructed a second water works, improved mintage and expanded general education. The reclamation on a large scale of forest areas both in the hills and the Terai is now going on, to provide a hearth and home for Gurkhas retiring from British Service and part of the overflow population now migrating outside the country. In all his public utterances he has expressed an earnest desire to uphold and augment the traditional friendship with the British Government.

Rice, wheat and maize form the chief crops in the lowlands. Mineral wealth is supposed to be great, but, like other sources of revenue, has not been developed. Communications in the State are primitive, but since 1920 the Government has already undertaken the construction of a good and permanent road for vehicular traffic from Amlekhgunj to Bimphedi—the base of a steep ridge in the main route to the capital of the country from British India—and also has installed a ropeway to connect this base with the capital proper covering a distance of 14 miles. A light railway from Amlekhgunj covering a distance of 25 miles in the route and connecting with the B & N W Ry. at Raxaul also has been constructed and opened for traffic since March 1927. It has also put up a telephone over this route connecting the capital with the frontier township of Birgunje near Raxaul. The revenue is about two crores of rupees per annum. The standing army is estimated at 45,000 the highest posts in it being filled by relations of the minister. The State is of considerable archaeological interest and many of the sites connected with scenes of Buddha's life have been identified in it by the remains of inscribed pillars.

British Envoy—Lieut.-Col C T Dankes, CIE.

Railways to India.

The prospect of linking Europe and Asia by a railway running eastwards through Asia Minor has fascinated men's minds for generations. The plans suggested have, owing to the British connection with India, always lain in the direction of lines approaching India. More than 50 years ago a Select Committee of the House of Commons sat for two years to consider the question of a Euphrates Valley railway. The Shah of Persia applied to the British Foreign Office for the investment of British capital in Persian railway construction many years before the end of the nineteenth century. A proposal was put forward in 1895 for a line of 1,000 miles from Cairo and Port Said to Koweit, at the head of the Persian Gulf. While these projects were in the air, German enterprise stepped in and made a small beginning by constructing the Anatolian railway system. Its lines start from Scutari, on the southern shore of the Bosphorus, opposite Constantinople, and serve the extreme western end of Asia Minor. And upon this foundation was based the Turkish concession to Germans to build the Baghdad Railway.

Meanwhile, Russia was pushing her railways from various directions into the Central Asian territory running along the northern frontiers of Persia and Afghanistan to the borders of Chinese Turkestan. The construction of a Trans Persian railway, connecting India, across Persia with the Russian lines between the Black Sea and the Caspian Sea came to the forefront after the conclusion of the historic Anglo-Russian agreement regarding Persia.

The Germans pushed forward their Baghdad railway project with a calculating shrewdness arising from their estimate of the value it would possess in their grand aim to overthrow the British Empire. The outbreak of the great war and the success of the Germans in invading Turkey into it saw the final stages of the construction of the railway pressed forward with passionate energy. Thus, before the overthrow of the Turks and Germans in Persia and of the Germans in France the railway was completed and in use from Scutari across Anatolia, over the Taurus Mountains to Aleppo and thence eastward across the Euphrates to a point between Nisibin and Mosul. The Germans had also by that time constructed a line to Baghdad at the eastern end of the route, northwards from Baghdad to a point a considerable distance beyond Samarra.

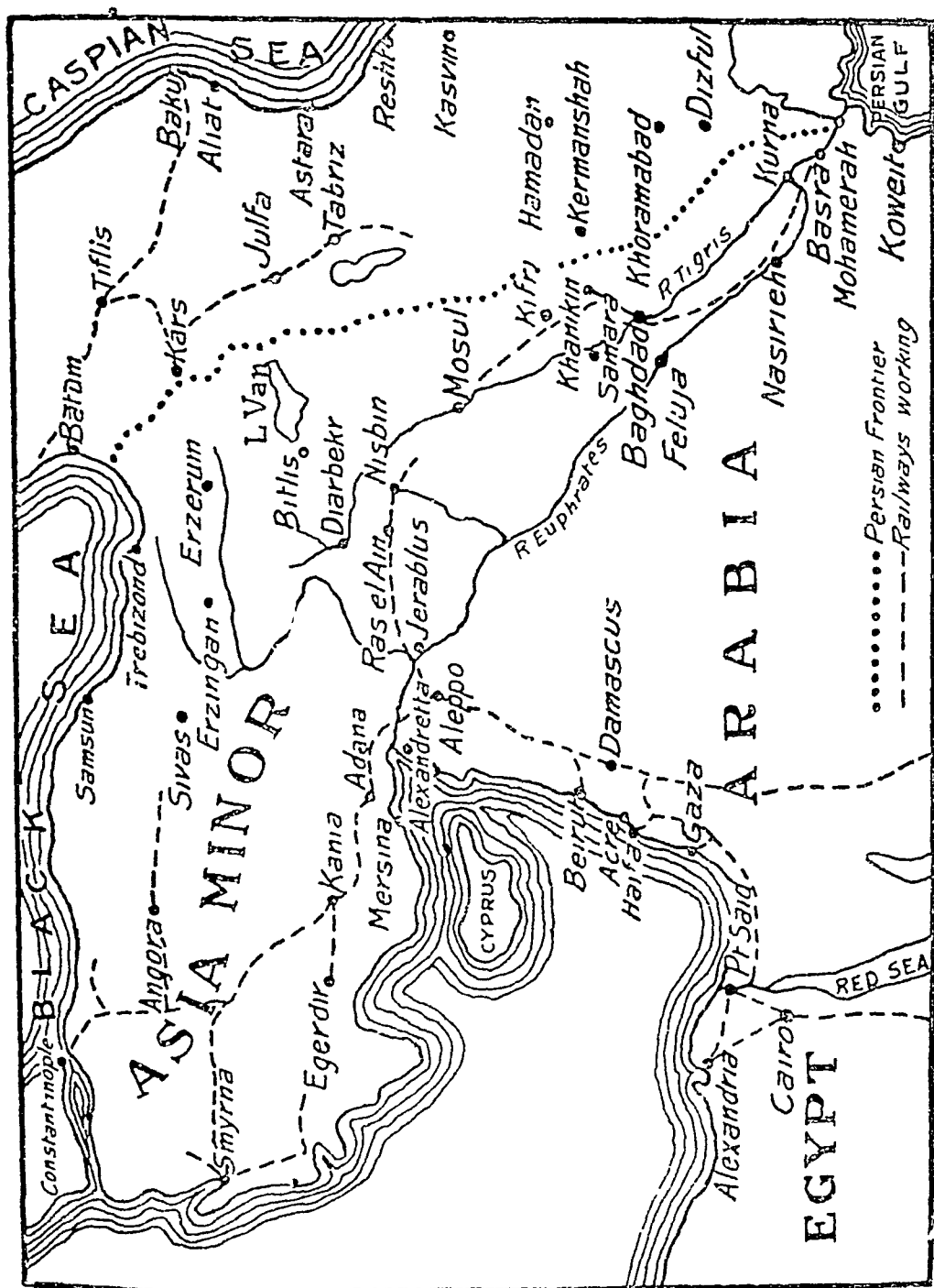
The war compelled the British to undertake considerable railway development northward from Basra, the port at the mouth of the Shat el-Arab, the broad stream in which the Tigris and Euphrates, after their junction, flow into the head of the Persian Gulf. The system consists of a metre gauge line from Basra via Nasirich, on the Euphrates thence northwards to Baghdad, the line passing a considerable distance westward to Kut-I-Amara, of historic fame. From Baghdad the line runs eastward approximately to the foot of the pass through which the Persian road crosses the frontier of that country. A line branches off in the neighbourhood of Kufri in the direction

of Mosul. A line also runs westward from Baghdad to Keluji, on the Tigrates. When the Turkish Nationalists gained control of Anatolia any question of the completion of the line through Baghdad became indefinitely delayed.

The Trans Persian line to join the Russian Caucasian system and the Indian railways first assumed proportions of practical importance in the winter of 1911. Both the Russian and the Indian railway systems were by then well developed up to the point likely to be the termini of a Trans Persian line. The Russian system reached Julfa, on the Russo-Persian frontier in the Caucasus. During the war this line was carried thence southward into the region east and south east of Lake Urumla. The Indian railway system, on the borderland of India and Persia, was similarly much extended and improved during the war. A new agreement which was negotiated between England and Persia specially provided for British assistance in the development of Persian natural resources and particularly for the extension and improvement of Persian roads suitable for motor traffic, but the agreement came to naught.

There remains the possibility of linking the Russian and Indian railway system by way of Afghanistan. The suggestion has often been made in recent years that the Russian line from Merv to Herat, on the northern frontier of Afghanistan, should be linked to the Indian line which proceeds from Quetta to the Afghan border on Chaman. The distance between the railway heads is about 250 miles. But there have always for strategic reasons been strong military objections to the railway across Afghanistan and after the death of the late Amir Habibullah the Afghan Government flatly opposed any suggestion for carrying the Indian or Russian railway system within their borders. What the present Afghan Government think about the matter was not shown up to the time this article was written, but the strange situation in Central Asia and beyond the Indian North-West Frontier does not suggest the early removal of the strategic difficulties. The completion of a broad-gauge line extending the Indian railway system through the Khyber Pass to Landi Khana, its western extremity, opens a prospect of further possible rail connections with Afghanistan.

Britain's special interests in regard to Persian communications have hitherto primarily been associated with lines running inland from the Persian Gulf, to supersede the old mule routes. Special importance has for many years been attached to schemes for a railway from Mohammerah, at the opening of the Karun Valley, where the Karun River runs into the Shat-el-Arab, just below Basra, northwards into the rich highland country of Western Persia, where the valuable West Persian oil wells also lie. Britain has long established special relations with the Karun Valley and has a large trade there.



Foreign Consular Officers in India.

Corrected up to 31st March 1934

Name.	Appointment.	Station
Afghanistan		
Mr Salah-ud Din Khan	Consul General	Delhi
Syed Abdul Hamid Khan	Consul ..	Bombay
Mr Yar Muhammad Khan	Do. . . .	Karachi
Argentine Republic		
Vacant	Consul .	Calcutta
Mr C C Miller	Vice-Consul .	Do
Austria		
*Sir Hormusjee Cowasjee Dinshaw, Kt ,	Consul .	Aden
M V O O B E (on leave)		
*Mr D H C Dinshaw (acting)	Do ..	Do
*Mr R W Plummer	Do	Calcutta
Belgium		
Monsieur R Guillaume (acting)	Consul-General ..	Calcutta.
Monsieur T J Clement	Do ..	Bombay.
*Mr A E Adams	Consul .	Aden
*Mr A D Finney	Do	Karachi.
*Mr W O Wright	Do	Madras
*Mr C G Wodehouse	Do .	Rangoon
Bolivia		
*Mr B Matthews	Consul General	Calcutta
*Mr J A Johnston	Consul	Rangoon
Brazil		
Dr Mansel Agostinho de Heredia	Consul	Bombay
Senhor M M de Souza	Do	Calcutta
*Senhor Jaime N Heredia	Vice-Consul	Bombay
Vacant	Do	Calcutta
*Mr C F Pyett	Do	Rangoon.
*Mr W Smith Hopburn	Consular Agent	Do
Chile		
Vacant	Consul General	Calcutta
Vacant	Consul	Bombay
Vacant	Do	Rangoon
Vacant	Vice Consul .	Chittagon.
China		
Vacant	Consul-General	Calcutta
Mr Jui Chun Hsu	Consul	Rangoon
Mr Chang pei Liang (In charge of the Consulate General)	Consul	Calcutta
Mr Tsung Woo Ding	Vice Consul	Bombay
Costa Rica		
Vacant	Consul .	Calcutta
Cuba		
Senor W I Pais	Consul - . .	Bombay
Senhor Orlando de Lara (In charge of the Consulate)	Do .	Calcutta

* Honorary

Name.	Appointment.	Station
Czechoslovak Republic		
*Mr Alexander Klaunder	Consul	Aden
Dr Peter Klemens	Do	Bombay
Mr Josef Lusk	Do	Calcutta
*Mr G Gardiner	Do	Karachi
Mr G S Mahomed	Consular Agent	Do
Denmark		
Vacant	Consul-General	Calcutta
*Mr Stanley Nicholas Day	Consul	Aden
*Mr B A Thorstenson	Do	Bombay.
*Mr A L B Tucker	Do	Calcutta
*Mr A Hansen	Do	Calcut
*Mr W M Browning	Do	Madras
*Mr C A K de Castonier	Do	Rangoon
*Mr A N Wardley	Vice Consul	Calcutta
Vacant	Do	Karachi
Dominica		
*Dr P C Sen	Consul	Calcutta
Ecuador		
*Mr T E Cunningham (acting)	Consu	Calcutta
Finland		
*Mr C H A R Hardecastle	Consul	Bombay
*Mr Carr Jorkim	Do	Rangoon
*Mr R W Plummer	Vice Consul	Calcutta
*Mr C G Alexander	Do	Madras
France		
Monsieur F A G A Danjou	Consul General	Calcutta.
Monsieur E P F Chaland	Consul	Bombay.
Monsieur A Vissiere	Vice-Consul	Calcutta.
*Monsieur E Chalze	Consular Agent	Aden
Vacant	Do	Akvab
*Mr A R Leshman, C I E, V D	Do	Chittagong
*Mr E L Price, C I E, O B E	Do	Karachi
*Monsieur Dumontell Lagreze	Do	Madras
*Mr R B Howison	Do	Rangoon
Vacant	Do	Tellicherry
Germany		
Herr R Von Bu'low (on leave)	Consul-General	Calcutta.
Herr Karl Kapp	Consul	Bombay.
*Herr Edwin Oscar Bloech	Do	Rangoon.
Dr G Richter (Transferred to Calcutta for the time being)	Vice-Consul	Bombay
Dr E Von Selzam (acting as Consul General)	Do	Calcutta
Herr W Von Pochhammer	Consul	Ports S Indian
Greece		
*Mr M Presvelos	Consul-General	Calcutta
*Mr Philon N Philon	Consul	Bombay
Vacant	Do	Karachi
*Mr F A Archdale	Deputy Consul	Do
Mr H Pantazopolo	Do	Bombay

Foreign Consular Officers

253

Name	Appointment	Station
Norway		
Monsieur G. Loel en	Consul-General	Calcutta
*Mr W Meek	Consul	Aden
*Mr Torleif Ahlsland	Do	Bombay
*Mr A S Todd	Do	Madras
*Mr J B Glass (on leave)	Do	Rangoon
*Mr W Gardiner (acting)	Do	Do
*Mr R W Johnston	Vice Consul	Akrah
*Mr Jan MacCormick	Do	Bassett
Vacant	Do	Bombay
*Mr A D Finney	Do	Karachi
*Mr P G G Salkeld	Do	Moulmein
Panama		
U S A	Consul General in charge	Calcutta
Persia		
*Mr Gholam Reza Khan Nourzad	Consul-General	Delhi
Mirza Hassan Khan Pirnazar	Consul	Bombay
Vacant	Do	Calcutta
Mr Hossein Khan Keyostevan	Do	Karachi
Vacant	Do	Madras
*Haji Gholam Hassan Shirazee	Do	Rangoon
Vacant	Do	Moulmein
Peru		
Vacant	Consul-General	Calcutta
Mr J C Moghasschi	Consul	Do
Vacant	Do	Rangoon
Poland		
*Dr Eugene Banasinski	Consul	Bombay
Portugal		
Senhor A J Alves, Jr	Consul-General	Bombay
*Sir Hormusjee Cowasjee Dinshaw, Kt	Consul	Aden
M V O, O B E (on leave)	Do	Do
*Mr F H C Dinshaw (acting)	Do	Calcutta
*Mr G. C Moses	Do	Madras
*Rev Avellino deSouza Vila Verde	Do	Rangoon
*Senor P L Ferrow	Vice-Consul	Bombay
*Senor A P J Fernandes	Do	Karachi
*Dr J T Alfonso	Do	Do
Roumania		
*Capt S A Paymaster, I M S (ret'd)	Consul	Bombay
Salvador		
Vacant	Consul	Calcutta
Siam		
*Mr S D Gladstone	Consul-General	Calcutta
*Mr G L Winterbotham	Consul	Bombay
*Mr H B Prior	Do	Rangoon

* Honorary.

The Army.

The great sepoy army of India originated in the small establishments of guards, known as peons, enrolled for the protection of the factories of the East India Company, but sepoys were first enlisted and disciplined by the French, who appeared in India in 1665. Before this detachments of soldiers were sent from England to Bombay, and as early as 1665 the first fortified position was occupied by the East India Company at Armagon, near Masulipatam. Madras was acquired in 1640, but in 1654 the garrison of Fort St George consisted of only ten men. In 1661 Bombay was occupied by 400 soldiers, and in 1668 the number was only 285 of whom 93 were English and the rest French, Portuguese and Indians.

After the declaration of war with France in 1744 the forces were considerably increased, but this did not prevent the French capturing Madras in 1746. Following the French example, the English raised considerable sepoy forces and largely increased the military establishments. In 1748 Major Stringer Lawrence landed at Fort St David to command the forces of the Company. The English foothold in India was then precarious and the French under Duplex were contemplating fresh attacks. It became necessary for the English Company to form a larger military establishment. The new commandant at once set about the organisation and discipline of his small force, and the garrison was given a company formation. This was the beginning of the regular Indian Army of which Lawrence subsequently became Commander-in-Chief. In Madras the European companies were developed into the Madras Fusiliers, similar companies in Bengal and Bombay became the 1st Bengal and 1st Bombay Fusiliers. The native infantry were similarly organised by Lawrence and Clive. By degrees Royal Regiments were sent to India, the first being the 39th Foot, which arrived in 1754.

Struggle with the French—From this time for a century or more the army in India was engaged in constant war. After a prolonged war with the French, whom Duplex had by 1750 raised to the position of the leading power in India, the efforts of Stringer Lawrence, Clive, and Eyre Coote completed the downfall of their rivals, and the power of England was established by the battle of Plassey in Bengal, and at Wandewash in Southern India, where the French were finally defeated in 1761. A number of independent States, owing nominal allegiance to the Emperor at Delhi, had risen on the decline of the Mughal Empire, some ruled by Mahratta Princes and others by Musalman adventurers such as Hyder Ali of Mysore. A prolonged struggle ensued with the latter and his son and successor Tipu Sultan, which ended only with the defeat and death of Tipu and the capture of Seringapatam in 1799.

Reorganisation of 1796—In 1796 the Indian armies, which had been organised on the Presidency system, were reorganised. The European troops were 13,000 strong and

the Indians numbered some 67,000, the infantry being generally formed into 75 regiments of two battalions each. In Bengal, regiments were formed by linking existing battalions of ten companies each with large establishments of English officers. The Madras and Bombay armies were at the same time reorganised on similar lines, and cavalry and artillery companies were raised.

In 1798, the Marquis Wellesley arrived as Governor-General, firmly imbued with the necessity of destroying the last vestiges of French influence. In pursuance of this policy he reduced Mysore, where Tipu was intriguing with the French, and then turned his attention to the Mahratta States, in which Sindhia had established power over the Mughal Emperor at Delhi by means of a large regular army officered by Europeans under the French adventurer Perron. In campaigns against Sindhia in Hindustan by a British Army under General Lake, and in the Deccan against that prince and the Raja of Berar by an army under General Wellesley, afterwards Duke of Wellington, the power of these Chiefs was broken in the battles of Laswari and Assaye. French influence was finally destroyed, and the Mughal Emperor was released from the domination of the Mahrattas. Subsequently Holkar also was reduced, and British power established on a firm footing.

Mutiny at Vellore—The Indian Army had been from time to time subject to incidents of mutiny which were the precursors of the great cataclysm of 1857. The most serious of these outbreaks occurred at the fort of Vellore in 1806 when the native troops suddenly broke out and killed the majority of the European officers and soldiers quartered in the fort, while the striped flag of the Sultan of Mysore, whose sons were confined there, was raised upon the ramparts. The mutiny was suppressed by Colonel Gillespie, who galloped over from Arcot at the head of the 19th Light Dragoons, blew in the gate of the fort, and destroyed the mutineers. This retribution put a stop to any further outbreaks in the army.

Overseas Expeditions—Several important overseas expeditions were undertaken in the early part of the nineteenth century. Bourbon was taken from the French. Ceylon and the Spice Islands were wrested from the Dutch, and Java was conquered in 1811 by a force largely composed of Bengal troops which had volunteered for this service.

In 1814, the Nepal War took place in which the brave Gillespie, who had distinguished himself in Java, was killed when leading the assault on the fort of Kalunga. The Gurkhas were overcome in this war after offering a stout resistance.

In 1817, hostilities again broke out with the Mahrattas, who rose against the British during the progress of operations against the Pindaris. Practically the whole army took the field and all India was turned into a vast camp. The

Mahratta Chiefs of Poona, Nagpur, and Indore rose in succession, and were beaten respectively, at Kirkee, Sitabaldi, and Mehildpur. This was the last war in Southern India. The tide of war rolled to the north never to return. In the Punjab, to which our frontier now extended, our army came into touch with the great military community of the Sikhs.

In 1824, the armies were reorganised, the double-battalion regiments being separated, and the battalions numbered according to the dates they were raised. The Bengal Army was organised in three brigades of horse artillery, five battalions of foot artillery, two regiments of European and 68 of Indian infantry, 5 regiments of regular and 8 of irregular cavalry. The Madras and Bombay armies were constituted on similar lines, though of lesser strength.

First Afghan War and Sikh Wars.—In 1839, a British Army advanced into Afghanistan and occupied Cabul. There followed the murder of the British Envoys and the disastrous retreat in which the army perished. This disaster was in some measure retrieved by subsequent operations, but it had far-reaching effects on British prestige. The people of the Punjab had witnessed these unfortunate operations, they had seen the lost legions which never returned, and although they saw also the avenging armies they no longer regarded them with their former awe. Sikh aggression led to hostilities in 1845-46, when a large portion of the Bengal Army took the field under Sir Hugh Gough. The Sikhs were defeated after stubborn fights at Muddki and Ferozeshahr, the opening battles, but did not surrender until they had been overthrown at the battles of Alival and Sohraon. Two years later an outbreak at Multan caused the Second Sikh War when, after an indecisive action at Chillianwala, our brave enemies were finally overcome at Gujrat, and the Punjab was annexed. Other campaigns of this period were the conquest of Sind by Sir Charles Napier, and the Second Burmese War, the first having taken place in 1824.

The conquest of the Punjab extended over the frontier to the country inhabited by those turbulent tribes which have given so much trouble during the past sixty years while they have furnished many soldiers to our army. To keep order on this border the Punjab Frontier Force was established, and was constantly engaged in small expeditions which, while they involved little bloodshed, kept the force employed and involved much arduous work.

The Indian Mutiny.—On the eve of the mutiny in 1857 there were in the Bengal Army 21,000 British and 137,000 Indian troops. In the Madras Army 8,000 British and 49,000 Indian troops and in Bombay 9,000 British and 45,000 Indian troops. The proportion of Indian to British was therefore too large for safety. The causes of the mutiny were many and various. Among these were the annexation policy of Lord Dalhousie, especially that of Oudh from which the greater part of the Bengal Army was drawn, interference with the privileges of the sepoy with respect to certain allowances, and lack of power on the part of commanding officers either to punish or reward. The final spark which fired the revolt was the introduction of a new cartridge. The muskets of those days were supplied with a cartridge

in which the powder was enclosed in a paper cover, which had to be bitten off to expose the powder to ignition. In 1857 a new cartridge was introduced with paper of a glazed texture which it was currently reported was greased with the fat of swine and oxen, and therefore unclean alike for Muhammadans and Hindus. This was interpreted as an attempt to destroy the caste and the religion of the sepoy. Skillful agitators exploited this grievance, which was not without foundation, and added reports that flour was mixed with bone dust and sugar refined with the blood of oxen.

Disaffection culminated in mutiny at Barrackpore where sepoy Mangal Pande attacked a European officer. The next most serious manifestation was the refusal of men of the 3rd Bengal Cavalry at Meerut to take the obnoxious cartridge. These men were tried and sentenced to long terms of imprisonment, their fetters being riveted on parade on the 9th May. Next day the troops in Meerut rose, and, aided by the mob, burned the houses of the Europeans and murdered many. The troops then went off to Delhi. Unfortunately there was in Meerut no senior officer capable of dealing with the situation. The European troops in the place remained inactive, and the mutineers were allowed to depart unmolested to spread the flames of rebellion.

Delhi is the historic capital of India. On its time worn walls brooded the prestige of a thousand years of Empire. It contained a great magazine of ammunition. Yet Delhi was held only by a few Indian battalions, who joined the mutineers. The Europeans who did not succeed in escaping were massacred and the Delhi Emperor was proclaimed supreme in India. The capital constituted a nucleus to which the troops who mutinied in many places flocked to the standard of the Mughal. An army was assembled for the recovery of Delhi but the city was not captured until the middle of September. In the meantime mutiny had spread. The massacres of Cawnpore and Jhansi took place, and Lucknow was besieged until its relief on the 27th September. The rebellion spread throughout Central India and the territory that now forms the Central Provinces, which were not recovered until Sir Hugh Rose's operations in 1858 ended in the defeat of the Rani of Jhansi.

Minor Campaigns.—During the period until 1879, when the Second Afghan War began, there were many minor campaigns including the China War of 1860, the Ambeyla Campaign, and the Abyssinian War. Then followed the Afghan War in which the leading figure was Lord Roberts. There were expeditions to Egypt and China, and Frontier Campaigns of which the most important was the Tirah Campaign of 1897. There were also the prolonged operations which led up to or ensued upon the annexation of Burma, several campaigns in Africa, and the expeditions to Lhasa. But until 1914, since the Afghan War, the army of India, except that portion of the British garrison which was sent to South Africa in 1899, had little severe fighting, although engaged in many arduous enterprises.

Reorganisation after the Mutiny.—In 1857 the East India Company ceased to exist

and their army was taken over by the Crown. At this time the army was organized into three armies, viz Bengal, Bombay and Madras, the total strength being 65,000 British and 140,000 Indian troops.

Several minor reorganizations took place during the following years, such as the linking of three Regiments together and the raising of Class Regiments and Companies. In 1895 the next large reorganization took place. This was the abolition of the three Armies and the introduction of the command system. Four Commands were formed, viz Punjab, Bengal, Madras and Bombay.

Lord Kitchener's Scheme—This system lasted until 1904 when under Lord Kitchener's reorganization the Madras Command was abolished and the Army divided into three Commands—the Northern, Eastern and Western corresponding to the Punjab, Bombay and Bengal Commands.

In 1907, Lord Kitchener considered that consequent on the delegation of administrative powers to Divisional Commanders, retention of such powers by Lieutenant-Generals of Commands led to delay in the despatch of business. The Command system was therefore abolished and India was divided into two Armies—the Northern and Southern—each under a General Officer who was responsible for the command, inspection and training of the troops but was given no administrative responsibilities.

Early in the War both Army Commanders took the field and were not replaced until 1916 and 1917 when both had practically the same functions as their predecessors. It was now realised that administration was being unduly centralised at Army Headquarters and the machinery was becoming clogged with unnecessary details. To secure efficiency at A H Q, therefore, a certain measure of decentralisation was carried out in 1918. With the alteration of the designation "Army" to "Command" at this time, a considerable increase was made in the administrative staffs of the two Commands and the General Officers Commanding were given powers to deal with all administrative questions other than those dealing with matters of policy, new principles or war.

The Commands were increased to four in 1920, each under a General Officer Commanding-in-Chief.

Present System of Administration

The essential features of the Army, as constructed on its present basis, will be found in "The Army in India and its Evolution," a publication issued in 1924 with the authority of the Government of India.

The Secretary of State, as one of His Majesty's ministers, has a special responsibility and authority in regard to the military administration in India.

The Secretary of State's principal adviser on Indian military affairs is the Secretary in the Military Department of the India Office. The post is filled by a senior officer of the Indian Army with recent Indian experience. The appointment is at present held by Lieutenant General Sir John F. S. D. Coleridge, KCB, CMG, DSO, who was formerly Commander of the Peshwar District from October 1930 to May 1933. The Military Secretary

is assisted by one first grade staff officer, selected from the Indian Army. In order that he may keep in touch with the current Indian affairs, the Military Secretary is expected to visit India during the tenure of his office. In addition, by a practice which has obtained for many years, a retired Indian Army officer of high rank has a seat upon the Secretary of State's Council.

The superintendence, direction and control of the civil and military government of India are vested in the Governor-General in Council, who is required to pay due obedience to all such orders as he may receive from the Secretary of State. The Viceroy's Executive Council exercise in respect of Army administration the same authority and functions as they exercise in respect of other departments of the Government, in the first phase of the representative institutions conferred upon India by the Montagu-Chelmsford Reforms Scheme, Army expenditure and the direction of military policy have been excluded from the control of the Indian Legislature.

The Commander-in-Chief—The next authority in the chain of administrative arrangements is His Excellency the Commander-in-Chief, who by custom is also the Army Member of the Viceroy's Executive Council. The appointment is held by His Excellency Field Marshal Sir Phillip W. Chetwode, Bart, GCB, KCMG, DSO, British Service, who succeeded Field Marshal Sir William Birdwood. He is also a member of the Council of State. All the work connected with the administration of the Army, the formulation and execution of the military policy of the Government of India, the responsibility for maintaining every branch of the Army, combatant and non combatant in a state of efficiency, and the supreme direction of any military operations based upon India are centred in one authority,—the Commander-in-Chief and Army Member. In addition, he administers the Royal Indian Marine and the Royal Air Force in India. The Commander-in-Chief is assisted in the executive side of his administration by 4 Principal Staff Officers viz, the Chief of the General Staff, the Adjutant-General, the Quartermaster General and the Master-General of Ordnance.

The Army Department—The Department is administered by a Secretary who, like other Secretaries in the civil departments, is a Secretary to the Government of India as a whole possessing the constitutional right of access to the Viceroy, he is also for the purposes of Sub section 4, Section 26 of the Regimental Debts Act, 1893 (56 Vict. C. 5) and the Regulations made thereunder Secretary to the Government of India in the Military Department, and for purposes of the Royal Indian Marine, Secretary to the Government of India in the Marine Department. He also exercises the powers vested in the Army Council by the Geneva Convention Act, 1911, so far as that Act applies to India under the Order in Council No 1551 of 1916. He is assisted by a Deputy Secretary, an Under Secretary, a Director of Military Lands and Cantonments, a Director of Recruiting and Training and two Assistant Secretaries, (one of whom is also Secretary of the Indian Soldiers' Board).

The Army Department deals with all army services proper, and also the administration of the Royal Indian Marine and the Royal Air Force in India, in so far as questions requiring the orders of the Government of India are concerned. The Army Department Secretariat has no direct relations with commanders of troops or the staffs of formations subordinate to Army Headquarters. It has continuous and intimate relations with Army Headquarters in all administrative matters and is responsible for the administration of Cantonments, the estates of deceased officers and the compilation of the Indian Army List. The Army administration is represented in the Legislature by the Army Member in the Council of State, and by the Army Secretary in the Legislative Assembly.

The Military Council—Is composed of the Commander in Chief as President, and the following members, namely: The Chief of the General Staff, as Vice President, the Adjutant-General, the Quartermaster-General, the Master-General of Ordnance, the Air Officer Commanding Royal Air Force, the Secretary to the Government of India in the Army Department and the Financial Adviser, Military Finance, representing the Finance Department of the Government of India. It is mainly an advisory body, constituted for the purpose of assisting the Commander in Chief in the performance of his administrative duties. It has no collective responsibility. It meets when convened by the Commander in Chief for the consideration of cases of sufficient importance and difficulty to require examination in conference. The heads of the minor independent branches of Army Headquarters and the directors of technical services attend when required.

Military Territorial Areas

Indian Territory is divided in four commands each under a General Officer Commanding in Chief and the Independent District of Burma under a Commander. The details of the organisation are given in the table on the next page and it will be seen that Commands comprise 13 districts, 4 Independent Brigade Areas and 30 Brigades and Brigade Areas. The Northern Command, with its headquarters at Murree, coincides roughly with the Punjab and North-West Frontier Province, the Southern Command, with headquarters at Poona, coincides roughly with the Bombay and Madras Presidencies and part of the Central Provinces and Rajputana, the Eastern Command, with headquarters at Naini Tal, coincides roughly with the Bengal Presidency and the United Provinces, the Western Command, whose headquarters are at Quetta, covers Sind and Baluchistan.

The General Officer Commanding-in-Chief of each command is responsible for the command, administration, training and general efficiency of the troops stationed within his area, and also for all internal security arrangements.

Apart from the four commands, the only formation directly controlled by Army Headquarters is the Burma district which mainly because of its geographical situation, cannot conveniently be included in any of the four command areas. The Aden Independent Brigade which was under the administrative control of the Government of India was transferred to the administrative control of His

Majesty's Government from the 1st April 1927.

The distribution of the troops allotted to the commands and districts have been determined by the principle that the striking force must be ready to function in war, command and constituted as it is in peace. With this end in view, the Army in India is now regarded as comprising three categories of troops:

- (1) Covering Troops,
- (2) The Field Army,
- (3) Internal Security Troops.

The role of the Covering Force is to deal with minor frontier outbreaks and, in the event of major operations, to form a screen behind which mobilisation can proceed undisturbed. The force consists of approximately 12 Infantry brigades with a due proportion of other arms.

The Field Army consists of 4 Divisions and 4 Cavalry Brigades. The Field Army is India's striking force in a major war.

Army Headquarters

The organization of the Army Headquarters with the Commander in Chief as the head, is founded upon four Principal Staff Officers charged with the administration of—

- (a) The General Staff Branch,
- (b) The Adjutant-General's Branch,
- (c) The Quartermaster-General's Branch,
- (d) The Master-General of Ordnance Branch.

General Staff Branch

C. G. S.—Genl Sir Kenneth William F.C.I., C.S.I., C.B.I., D.S.O., A.D.C., I.A.

D. C. G. S.—Maj Genl B. R. Moberly, C.I., D.S.O., I.A.

M. G. C. & Tech. Adviser, P. I. C.—Maj Genl L. D. Giles, C.I., C.M.G., D.S.O., I.A.

M. G. A.—Maj Genl H. W. Newcome, C.B., C.M.G., D.S.O., Bilt. Ser.

This Branch deals with military policy with plans of operations for the defence of India, with the organization and distribution of the army for internal security and external war, the administration of the General Staff in India, the supervision of the training of the military forces for war, their use in war, the organization and administration of the general staff in India, the education of officers, the supervision of the education of warrant and non-commissioned officers and men of the Army in India, and inter communication services.

Adjutant-General Branch

A. G.—Lt-Genl Sir Walter S. Fesche, K.C.B., K.B.I., C.M.G., D.S.O., I.A.

D. A. G.—Maj-Genl G. Thorpe, C.B., C.M.G., D.S.O., Bilt. Ser.

D. M. S.—Maj Genl I. A. Walker, K.H.S., I.M.S.

This Branch deals with all matters appertaining to the raising, organising and maintenance of the military forces in officers and men, the peace distribution of the army, discipline, pay and pensions, martial, military and international law, medical and sanitary matters affecting the Army in India, personal and ceremonial questions, prisoners of war, recruiting, mobilization and demobilization. The Judge Advocate General forms part of the Branch. The Director of Medical Services in India, who was independent before the war, is now included in the Adjutant-General Branch.

Plan Showing Chain of Command

THE COMMISSIONER IN CHIEF

(His Excellency Field Marshal Sir Philip W. Chetwode, Bart., GCB, KCMG, DSO, Brit Ser)

General Officer
Commanding in Chief,
Western Command
(Lt Genl Sir Louisa G. Matheson,
KCB, CMC, Brit Ser)

General Officer
Commanding in Chief,
Northern Command
(Genl Sir Robert A. Gissels,
GCB, CSI, DSO, IA)

—Commander, Baluchistan—
District
(1st class)
(Maj-Genl H. Kuslake, CB,
CMC, DSO, Brit Ser)

—Commander, 4th (Quetta) Infantry
Brigade
(Brigr A. H. Spooner, CMC,
DSO, Brit Ser)
—Commander 5th (Quetta) Infantry
Brigade
(Brigr S. I. P. Seobell, CMC,
DSO, Brit Ser)

—Commander Zhob (Independent)
Brigade Area
(Brigr J. C. McKenna DSO,
IA)

—Commander Sind (Independent)
Brigade Area
(Maj Genl C. Kirkpatrick, CB,
CBE, IA)

—Commander, Waziristan—
District
(2nd class)
(Maj Genl S. B. Pope CB,
DSO, IA)

—Commander, Razmak Brigade
(Brigr A. M. Mills, CB, DSO,
ADC, IA)
—Commander, Bannu Brigade
(Brigr H. St. G. S. Scott, CB,
DSO, IA)
—Commander, Wana Brigade
(Brigr M. Saunders, DSO,
ADC, IA)

—Commander, Lahore District—
(1st class)
(Maj-Genl A. W. H. M. Moens
CB, CMC, DSO, IA)

—Commander, 2nd (Sialkot) Cavalry
Brigade
(Brigr I. A. A. Wilson, IA)
—Commander, Ferozepur Brigade
Area
(Brigr B. W. Shuttleworth IA)
—Commander, Jullundur Brigade Area
(Brigr A. G. C. Hutchinson CB,
OBE, IA)
—Commander, Lahore Brigade Area
(Brigr I. C. Grettton, IA)
—Commander, Ambala Brigade Area
(Brigr F. G. Gillies, CB, OBE,
IA)

—Commander, Rawalpindi—
District
(1st class)
(Maj Genl R. G. Finlayson,
CB CMC, DSO, Brit
Ser)

—Commander, 1st (Abbottabad)
Infantry Brigade
(Brigr H. L. Houghton CII,
CBE)
—Commander, 2nd (Rawalpindi)
Infantry Brigade
(Brigr A. L. Ransome, DSO,
MC Brit Ser)
—Commander, 3rd (Delium) Infantry
Brigade
(Brigr R. H. Anderson, CII,
IA)

—Commander, Kohat District—
(2nd class)
(Maj Genl D. I. Shuttleworth,
CB, CBI, DSO, IA)

—Commander, Kohat Brigade
(Brigr H. L. Scott, CB, DSO,
MC, IA)

—Commander, Peshawar—Dis-
trict
(1st class)
(Maj-Genl S. F. Muspratt, CB,
CSI, CIE, DSO, IA)

—Commander, 1st (Risalpur)
Cavalry Brigade
(Brigr I. deBurgh CB DSO,
OBE, IA)
—Commander, Indukotal Brigade
(Maj-Genl W. Dent, CB CBI,
DSO, IA)
—Commander Peshawar Brigade
(Brigr C. J. L. Auchincloss, DSO,
OBE, IA)
—Commander Nowshera Brigade
(Brigr W. D. Croft, CMC DSO
Brit Ser)

Plan Showing Chain of Command
THE COMMANDER-IN-CHIEF—*could*

(His Excellency Field Marshal Sir Philip W. Chetwode Bart, CCB, KCMG, DSO, Brit Ser)

General Officer
Commanding in Chief,
Eastern Command
(Genl Sir C Norman Macmillan, KCB,
CMG, CBE, DSO, ADC, IA)

General Officer
Commanding in Chief,
Southern Command
(Lt Genl Sir George D. Jeffreys,
KCB, KCMG, CMG, Brit Ser)

Commander,
Burma Ind
District
(2nd class)
(Maj Genl D Deane,
CB, DSO, IA)

—Commander Presidentcy and
Assam District
(2nd class)
(Maj Genl H K Bethell CB
CMG, CVO, DSO, Brit
Ser)

—Commander, Lucknow District
(2nd class)
Maj Genl C J B Haig, CB,
CMG, CBE, DSO, IA)

—Commander, Delhi (Indepen-
dent) Brigade Area
(Brigr A L M Molesworth, IA)

—Commander, Meerut District
(1st class)
(Maj Genl C A Key, CB,
CMC, CBE, DSO, Brit
Ser)

—Commander, Madras District
(2nd class)
(Maj Genl C R Newman, CB
CMG, DSO, Brit Ser)

—Commander, Bombay District
(2nd class)
(Maj Genl H Needham CB
CMG, DSO, Brit Ser)
Commander, Poona (Indepen-
dent) Brigade Area
(Brigr J G Spring, CMG,
DSO, Brit Ser)

—Commander, Deccan District
(1st class)
(Maj Genl H B D Baird, CB
CMC, CIE, DSO, IA)

—Commander Bangalore Brigade Area
(Brigr C C Foy, VC, DSO, Brit
Ser)

—Commander Mhow Brigade Area
(Brigr J de L Conry, IA)

—Commander, 4th (Secunderabad)
Cavalry Brigade
(Brigr D K Melcod, DSO, IA)

—Commander, 10th (Tubulpore)
Infantry Brigade
(Brigr C G Ling, DSO, MC,
Brit Ser)

—Commander, 11th (Ahmednagar)
Infantry Brigade
(Brigr J S H Smithers, IA)

—Commander, 12th (Secunderabad)
Infantry Brigade
(Brigr D G Johnson, VC, DSO,
MC, Brit Ser)

—Commander, 7th (Dehra Dun)
Infantry Brigade
(Brigr A B Haig, MC, IA)

—Commander, 8th (Bareilly) In-
fantry Brigade
(Brigr D B Ross, OBE, IA)

—Commander, 6th (Lucknow)
Infantry Brigade
(Brigr K M Laird, DSO, Brit
Ser)

—Commander, Allahabad Brigade
Area
(Brigr D G Ridgway, CB,
DSO, IA)

—Commander, 3rd (Meerut Cavalry
Brigade
(Brigr D M Dorman, DSO,
MC, Brit Ser)

—Commander, 9th (Jhansi) Infantry
Brigade
(Brigr F L Nicholson, DSO
MC, IA)

Quarter-Master General's Branch

Q M G—Lt-Genl Sir W Edmund Ironside, KCB, CMG, DSO, Brit Ser

D Q M G—Maj Genl E F Orton, CB, IA
D S & T—Brigr (Local Maj-Genl) E M Steward, OBR, IA

This Branch is concerned with the specification, provision, inspection, maintenance and issue of supplies, i.e., foodstuffs, forage, fuel, etc., and is responsible for the following Services—Transportation, Movements, Quartermastering, Supply and Transport, Military Farms, Remounts, Veterinary, Garrison and Regimental Institutes. Also for the purchase of grains and of minor supplies not provided in bulk by the authority responsible for production and provision.

Master General of the Ordnance Branch

M G O—Lt-Genl Sir Henry, Eup R Pryce, KCB, CMG, DSO, IA

D M G O—Brigr (Local Maj-Genl) W R Paul, CBE, Brit Ser

This Branch controls the ordnance and clothing factories is concerned with the provision, inspection, maintenance and issue of equipment and ordnance stores, clothing, and necessities and conducts all matter relating to contracts in respect of food-stuffs, &c., and supply in bulk of general stores and materials. The Master-General is also responsible for the design, inspection, and supply of guns, carriages, tanks, smallarms, machine guns, ammunition, chemical warfare appliances, etc. He also deals with questions regarding patents, royalties and inventions.

There are other branches of Army Headquarters administered by officers who are not classified as Principal Staff Officers, but are not directly subordinate to any of the four Principal Staff Officers.

These are

(1) MILITARY SECRETARY'S BRANCH

Mily Secy—Maj-Genl W L O Twiss, CBE, MCO, IA. The Military Secretary deals with the appointment, promotion and retirement of officers holding the King's Commission, the selection of officers for staff appointments, and the appointment of officers to the Army in India Reserve of Officers. He is also the Secretary of the Selection Board.

(2) ENGINEER-IN-CHIEF'S BRANCH

E in C—Maj-Genl G H Addison, CBE, CMG, DSO, Brit Ser

The Engineer in Chief is the head of the Corps of Royal Engineers in India. He is responsible for Engineer operations and Engineer Services during war and peace, the preparedness for war of the Engineering services. The supply of Engineer stores during war and peace. The construction and maintenance of all military works and the constructional efficiency, accuracy and economy of all projects and designs.

In addition to the above, the Army Headquarters staff includes certain technical advisers, viz., the Major-General, Cavalry, the Major-General, Royal Artillery, and the Adviser and Secretary Board of Examiners.

The duties of the Signal Officer-in-Chief, the Inspector of the Army Educational Corps, India and the Inspector of Physical Training are carried out by the Commandants of Signal Training Centre, India, Jubbulpore, Army School of Education, India, Belgaum and Army School of Physical Training, Ambala, respectively.

Regular British Forces in India.

The British cavalry and British infantry units of the army in India are units of the British service. No individual British service unit is located permanently in India. Units of the British Army are detailed for a tour of foreign service, of which the major part is as a rule spent in India. In the case of British infantry battalions the system is that one battalion of a regiment is normally on home service while the other is overseas. In the case of British cavalry the same arrangement cannot be applied, as one unit only comprises the regiment.

In Great Britain, in peace time, units are maintained at an establishment smaller than that required for war. In India, the peace establishments exceed the war establishments in view of the fact that reserves of British personnel do not exist, and reinforcements must be obtained from Great Britain.

British Cavalry—There are 5 British cavalry regiments in India. The establishment of a British cavalry regiment is 27 officers and 567 other ranks.

British Infantry—The present number of British infantry battalions in India is 45, each with an establishment of 28 officers and 865 other ranks.

In 1921, an important change was made in the composition of a British infantry battalion in India by the inclusion of a proportion of Indian combatant ranks. Battalions had always maintained a quota of Indian followers, but up to 1921 the combatant personnel was entirely British. In 1921, on the abolition of the Machine Gun Corps, eight machine guns were included in the equipment of a British infantry battalion. This number was increased to twelve in 1927. In 1929, a change of organisation was introduced, and the battalion now comprises—*Headquarters Wing*—1 Machine Gun Company and 3 Rifle Companies. Each Rifle Company has 4 Lewis guns. The Machine Gun Company is organised into—*Headquarters* and 3 Platoons (all on pack) each of 2 Sections of 2 Vickers guns each. The peace establishment of Indian combatant personnel is fixed at one Indian officer and 43 Indian other ranks. The Indian platoon, as it is called, is transferred *en bloc* to another British battalion when the battalion to which it was originally attached proceeds on relief out of India.

Royal Artillery—Indians are employed as drivers and artificers in the Royal Horse Artillery and in field and medium batteries as drivers, gunners and artificers in mountain batteries, and as gunners in heavy batteries.

The peace organisation of the artillery at the present day is as follows.

Royal Horse Artillery—Comprises four independent batteries. Each battery is armed with six 13 pounder guns.

Secretary, P W D, to the Agent to the Governor-General in Baluchistan Both at Army Headquarters and in Commands there are Staff Officers, R E, and Technical Officers At the headquarters of each district there is a Commander, Royal Engineers, assisted in certain districts by A C S R E Officers of the Barrack Department are also employed as District Stores Officers Garrison Engineers are in charge of brigade areas and military stations, their charges being divided into sub divisions under Sub-divisional Officers The sub divisions are Buildings and Roads, Electrical and Mechanical, and Furniture and Stores There are sub-overseers for Buildings and Roads and the Barrack Department subordinates in charge of Furniture and Stores are assisted by store keepers

Royal Air Force in India

The Royal Air Force in India is controlled by the Commander in Chief in India as part of the defence services of the Indian Empire The Air Force budget is incorporated in the Military Estimates The Commander of the Air Force, the Air Officer Commanding in India is an Air Marshal whose rank corresponds to that of a Lieut.-General in the Army The appointment is now held by Air Marshal Sir John M Steel, K B E, C B, C M C

The headquarters of the Air Force is closely associated with Army Headquarters and is located with the latter at the seat of the Government of India The Air Officer Commanding has a headquarters staff constituted in six branches, namely, air staff, personnel, technical, stores, medical and chief engineer The system of staff organisation is similar to the staff system obtaining in the Army Broadly speaking, the duties assigned to the divisions mentioned are those which are performed by the General Staff Branch, the Adjutant-Generals and Military Secretary's branches, the Quartermaster-General's Branch, the Medical Directorate and the Engineer in Chief's branch respectively, of Army Headquarters.

Subordinate formations—The formations subordinate to the Royal Air Force Headquarters are—

- (i) GROUP COMMAND, comprising 2 Wing Stations of two squadrons each, on a station basis
- (ii) Wing Command comprising 2 squadrons not on a station basis
- (iii) Station Commands
- (iv) The Aircraft Depot
- (v) The Aircraft Park
- (vi) Heavy Transport Flight
- (vii) R A F Hill Depot, Lower Topa

Group Command—The Group Command is known as No 1 (Indian) Group Headquarters, and is located at Peshawar The Group Commander is a Group Captain, corresponding in rank to a Colonel in the Army His staff is organised on the same system as that of the Headquarters of the R A F in India The establishment of the Group consists of 4 officers and 16 airmen

The subordinate units to No 1 (Indian) Group Headquarters are as follows—

- No 1 Wing Station, R A F, Kohat
- No 2 Wing Station, R A F, Risalpur

Army Co operation squadron at Peshawar
Wing Command—There is one Wing Command only namely 3 (Indian) Wing, R A F, located at Quetta The Wing Commander is an officer with Air Force rank corresponding to a Lieutenant-Colonel in the Army

He is equipped with a staff organised on approximately the same system as the Headquarters of a Group The Wing Establishment consists of 4 officers and 17 airmen

Wing Station Commands—There are 2 Wing station commands in India, one located at Peshawar and the other at Risalpur Each station consists of two squadrons on a reduced squadron basis with one administrative head, i.e., Station Headquarters under the command of a Wing Commander The strength of the Station Headquarters is 8 officers and 112 airmen, while that of the two squadrons totals 24 officers and 106 airmen The wing Station at Risalpur also administers the Parachute Section

The Squadrons—Of the 8 squadrons 7 are extended along the North West Frontier from Quetta to Risalpur, and one is stationed at Ambala

The squadron is the primary air force unit, and it consists, normally, of a Headquarters and three flights of aeroplanes A flight can be detached temporarily but not permanently from its squadron as repair facilities, workshops and stores cannot economically be organised on anything less than a squadron basis The squadrons headquarters comprises the officers and other ranks required for the command and administration of the squadron as a whole, it includes the workshops and repair units, the armouries and equipment stores of the squadrons

The number of aeroplanes in a squadron varies with the type of aeroplane with which the squadron is equipped, but speaking generally squadrons on a peace basis have twelve aeroplanes i.e., four in each of three flights This does not however apply to the twin engine bombing squadrons

Of the 8 squadrons 4 are equipped with Bristol Fighters and four with Wapitis and they are allotted for distant reconnaissance and bombing duties, of the other four, which are allotted for Army Co operation duties, two squadrons are equipped with Bristol Fighters and two with Wapitis aircraft

Squadron Establishment—The establishment of officers in a squadron consists of seven officers in the Headquarters, and fifteen officers allotted to flying duties This allows a reserve of one officer for each of the operative flights

The establishment of other ranks is 123 airmen

The Aircraft Depot—The Aircraft Depot may be conveniently described as the wholesale store and provision department of the Royal Air Force Technical stores are received from the United Kingdom, and in the first instance, held by this unit It is also the main workshop and repair shop of the Force, where all engine repairs, mechanical transport repairs, and aircraft repairs of any magnitude are carried out The Depot is located at Drigh Road, Karachi

The Aircraft Park—Relatively to the Aircraft Depot, the Aircraft Park may be described as a central retail establishment, intermediate between the squadrons and the Aircraft Depot. It receives stores from the depot and distributes them to the squadron. The Stocks held in the Park are, however, usually limited to items necessary at short notice for operations, and the quantities held are kept as low as distance from the depot and local conditions will admit. In war, an Aircraft Park is intended to be a mobile formation, though the aircraft Park in India cannot be made mobile under ordinary conditions. In peace, the Aircraft Park is located at Lahore. New aeroplanes received from the United Kingdom are erected there, but no major repairs are undertaken. In addition to the above functions, practically the whole of the motor transport bodies required for R A F vehicles are built or repaired at Aircraft Park. The Heavy Transport flight is administered by this unit.

Composition of Establishment—The personnel of the Royal Air Force in India consists of officers, warrant officers, non-commissioned officers and men in the ranks of the R A F of the United Kingdom, and Indian artificers, Mechanical Transport drivers and followers of the Indian Technical and Followers Corps, R A F in India. The officers are employed on administration, flying and technical duties but all with the exception of officers of the store and medical branches are required to be capable of flying in aeroplane. A proportion of airmen are also trained and employed as pilots for a period of five years, after which period, they revert to their technical trades. Apart from these airmen all warrant officers, non-commissioned officers and aircraftsmen are employed solely on technical duties. The only other flying personnel who are not officers or airmen pilots are air gunners and a certain percentage of wireless operators.

The warrant officers, non-commissioned officers and aircraftsmen are employed at all units. The personnel of the Indian Technical and Followers Corps are employed as follows—

- (a) Technical Section . Aircraft Depot
(artificers) . Aircraft Park
- (b) M T Drivers Section All Units
- (c) Followers Section All Units

The total establishment of the Royal Air Force in India is as follows—

Officers	256
Airmen	1,881
Indian Officers, other ranks and followers	924
Civilians	521

The Royal Air Force Medical Services—In India, as in the United Kingdom, the Air Force has a medical service of its own. Flying must still be regarded at present as an abnormal pursuit for the human being. It is carried out under conditions which differ widely from those on the ground. With the growth of aeronautics therefore, it was found necessary to create a separate department of medical science whose functions, broadly stated are to study the effect of flying upon the human constitution both mental and physical, to study also the effects of different forms of illness and physical disability upon flying efficiency and to apply in practical form the results ascertained. The essential object in view is to save life by ensuring, so far as possible that those who fly are physically and psychologically fit to do so. The present establishment of the Royal Air Force Medical Service in India consists of 11 officers and 27 airmen. The Medical Administration is controlled by the Principal Medical Officer of the rank of Group Captain, on the staff of the Air Officer Commanding the R A F in India.

Indian Air Force—This force came into existence on 8th October 1932, the date on which the first batch of six Indian cadets, after receiving training at Cranwell, obtained commission as Pilot Officers. These officers will form the first unit of the Indian Air Force. The training of cadets for the Indian Air Force cannot at present be undertaken in India, and arrangements have been made to continue their training at Cranwell.

Regular Indian Forces

Indian Cavalry—The present number of Indian cavalry regiments is 21.

The peace establishment of an Indian cavalry regiment comprises

14 British officers

19 Indian officers

402 Indian non-commissioned officers and men

Indian Infantry—The establishment of the Indian Infantry is constituted as follows

	Battalions
19 Infantry Regiments consisting of	98
3 Regiments of Sappers and Miners	7
10 Gurkha regiments consisting of	20
32	125

The normal strength of an active battalion is—

	British Officers	Indian Officers	Indian other ranks
Infantry	2	20	703
Gurkhas	13	22	808

The strength of an infantry training battalion depends upon the number of battalions forming the regiment. The average is as follows—

British Officers 9, Indian Officers 13, and Indian other ranks 682

In 1932 it was decided that the Pioneer organization was no longer absolutely necessary as the duties on which Pioneers were employed eg, road-making etc, were now generally performed by the Labour Corps. The whole organization has therefore been disbanded, and the opportunity has been taken to make a much needed addition to the various Engineer units (Sappers and Miners).

Reserves for the various units of the Indian Army have to be sufficient to provide for an actual shortage on mobilisation as well as for the maintenance of the mobilised unit at full strength for the first 8 months after mobilisation.

Reserve—The conditions of the reserve, are as follows—

The Indian Army Reserve consists of private soldiers or their equivalent. It is comprised of class 'C' reservists for Indian Cavalry

Artillery Sappers and Miners, Signals and Infantry and class I for Gurkha Rifles. The new class 'C' reserve was introduced for Indian Cavalry, Artillery, Sappers and Miners and Signals with effect from 1st October 1932 and for Indian Infantry with effect from 1st May 1932. There still remain a number of class 'A' and 'B' reservists which count against the authorised establishment of the reserve but those will be gradually eliminated.

Training for Indian Cavalry, Infantry and Gurkha Rifles reservists is carried out biennially.

Reserve pay at certain specified rates is admissible from the date of transfer to or enrolment in, the reserve. When called up for service or training, reservists receive pay and allowances, in lieu of reserve pay, at regular rates according to their arm of the service.

The establishment of reservists is fixed at present as follows —

Cavalry	2,913
Artillery	2,729
Engineers	1,678
Indian Signal Corps	994
Infantry	22,120
Gurkhas	2,000
Railway Nucleus Reserve	651
Supplementary Reserve	217
Total	32,065

The Indian Signal Corps—The Corps is organised on the same lines as a Sapper and Miner Corps, with a headquarters for recruiting and training personnel, and detached field units for the various army formations. The head of the corps is the commandant, Signal Training Centre (India), who belongs to the Royal Corps of Signals and performs the duties of the Signal Officer in Chief in the General Staff Branch at Army Headquarters as a technical adviser on questions connected with signals, and is also responsible for the technical inspection of all signal units. A chief signal officer with similar functions is attached to the headquarters of each Army Command. The British portion of the Corps has now been amalgamated with the Royal Corps of Signals.

The headquarters, termed the Signal Training Centre, India, are located at Jubbulpore, and are commanded by a Colonel, assisted by

a staff, British and Indian, organised on very much the same lines as the headquarters of a Corps of Sappers and Miners.

The various types of field units and the number maintained are —

Corps Signals Headquarters including Line and Wireless Company	2
Cavalry Brigade Signal Troops	4
Divisional Signals	4
District Signals	3
Experimental Wireless Section	1

In addition, there is an Army Signal School which carries out the training of regimental signalling instructors.

The formation of the District signals units was effected in 1926 with the transfer of Communications on the North West Frontier to the Posts and Telegraphs Department. This transfer of communications also made feasible the raising of the 'A' and 'C' troops of Cavalry Brigade Signals to include a Wireless Section, each the formation of two Corps Signal Headquarters. The District Signals are located at Peshawar, Waziristan and Kohat.

Royal Tank Corps—Six armoured car companies arrived in India in 1921. Two more companies arrived in 1925. Two Group Headquarters were sanctioned in 1925. They are located as follows—the Northern Group at Rawalpindi, this Group Headquarters commands companies in the Northern and Eastern Commands. The Southern Group at Poona. This Group Headquarters commands companies in the Southern and Western commands. There is a school at Ahmednagar for the training of R T C personnel and the conduct of experiments.

Organisations—2 Light Tank Companies. Each company consists of Headquarters and 3 Sections and is armed with 25 Carden Lloyd Light Tanks, 1 for Company Headquarters and 7 per section.

6 Armoured Car Companies. Each company consists of Headquarters and 3 Sections and is armed with 16 armoured cars, 1 for Company Headquarters and 5 per section. Excepting one company which is equipped with Guy Cars, armoured car all companies are equipped with Crossley Cars.

The establishments of the Royal Tank Corps formations are shown below —

	British Officers	British other ranks	Followers	Motor cars	Motor cycles	Armoured cars	Lorries
Group Headquarters	2	2					
Tank Corps School	5	48	16	1	2	9	9
Armoured Car Company	12	142	32	2	6	16	10

Medical Services—The military medical services in India are composed of the following categories of personnel and subordinate organisations —

(a) Officers and other ranks of the Royal Army Medical Corps serving in India,
(b) Officers of the Indian Medical Service in military employment,

(c) The Indian Medical Department, consisting of two branches, viz., (i) assistant surgeons and (ii) sub assistant surgeons

(d) Queen Alexandra's Imperial Military Nursing Service

(e) The Queen Alexandra's Military Nursing Service for India

(f) The Army Dental Corps

(g) The Indian Military Nursing Service

(h) The Indian Hospital Corps

Of these categories, the officers and men of the Royal Army Medical Corps and the Army Dental Corps, the assistant surgeons of the Indian Medical Department and the Queen Alexandra's Imperial Military Nursing Service and the Queen Alexandra's Military Nursing Service for India are primarily concerned with the medical care of British troops, while the officers of the Indian Medical Service, the sub assistant surgeons of the Indian Medical Department and the Indian Military Nursing Service are concerned, primarily, with the medical care of Indian troops. The Indian Hospital Corps serves both organisations.

Civilians of miscellaneous classes employed by the Army in Waziristan are given medical treatment in military hospitals, and arrangements have been made with the Headquarters of the Indian Red Cross Society for the medical treatment and care of cases amongst Indian soldiers and followers of the Indian Army for chronic diseases, such as tuberculosis, leprosy and diabetes.

Indian Army Service Corps—The Indian Army Service Corps is the counterpart of the Royal Army Service Corps of the British Army. It has developed from the Commissariat Department of an earlier period, and its immediate predecessor was the Supply and Transport Corps, by which name the service was known up to 1923. The Indian Army Service Corps which is under the control of the Quartermaster General, is constituted in three main branches, namely (a) Supply, (b) Animal transport, and (c) Mechanical Transport. The latter is constituted upon a special basis, which is, generically, a sub-division of the Royal Army Service Corps organisation.

The strength of the establishment is shown by categories in the following table—

SUPPLY

Officers with King's commissions	140
Indian officers	68
British other ranks	340
Civilians	621
Followers	1,401

Total 2,570

ANIMAL TRANSPORT

Officers with King's commissions	58
Indian officers	129
British other ranks	42
Civilians	105
Indian other ranks	9,845
Followers	1,403

Total 11,582

There are also 1,576 driver reservists.

The total number of mules and camels maintained under the present organisation, including the depots and the detachment in Kashmir, are 13,711 and 4,128 respectively. There are also 183 horses, 436 ponies and 12 bullocks. Wheeled and pack transport are combined. The company on the lower establishment represent the pre-war "cadre," other companies being maintained in peace time at full war establishment.

MECHANICAL TRANSPORT

Officers with King's commissions	123
Indian officers	63
British other ranks	227
Indian other ranks	2,879
Indian civilians	231
Followers	1,204

Total 4,687

There are also 3,075 reservists.

The mechanical transport establishment consists of the following—

(a) Field units—

11 M T Companies consisting of 11 headquarters, 6 service sections (higher establishment), and 8 service sections (lower establishment).

5 M T Companies for motor ambulance convoys consisting of 5 headquarters, 1 section (higher establishment) and 11 sections (lower establishment).

M T Companies (Mobile Repair Units) consisting of 2 headquarters and 1 section.

(b) Maintenance units—

5 Heavy Repair shops

1 Central M T Stores Depot

M T technical inspectorate, one

M T depot for training Indian drivers

1 Vehicle Reserve Depot

Apart from units and vehicles employed in the conveyance of military stores, the mechanical transport service also provides motor ambulance convoys for hospitals and field medical units, and vehicles for other miscellaneous purposes. The total establishment now consists of 2,068 vehicles with 109 motor cycles.

The mechanical transport was taken over by the Indian Army Service Corps in 1927. At present the officers of the service are mainly drawn from the Royal Army Service Corps since at present there are no facilities in India for training officers in every branch of mechanical transport duties. The establishment of officers includes, however, a certain number of King's commissioned officers belonging to the Indian Army. The British subordinates of the service are drawn entirely from the Royal Army Service Corps.

The Ordnance Services which are under the M G O may be broadly described as the agency whose duty it is to supply the army with munitions of war, such as small arms, guns, ammunition and other equipment of a technical military character, and also, under an arrangement introduced in recent years, with clothing and general stores other than engineering stores. A central disposal organisation is in operation under the control of the Master General of Ordnance to dispose of the Surplus Stores and waste materials of the various services of the Army and the Royal Air Force in India to the best advantage of the State.

Army Remount Department—The following are among the most important duties for the remount service—The provision of animals for the Army in India. The enumeration throughout India of all animals available for transport in war. The animal mobili-

zation of all units services and departments of the army. A general responsibility for the efficiency of all the animals of the army both in peace and war. The administration of the remount squadron formed in 1922 as a nucleus for expansion into three squadrons on mobilization. Breeding operations of a direct character.

The department is organised on lines corresponding to the remount service in the United Kingdom. Its composition is as follows: The Remount Directorate at Army Headquarters consisting of one Director and a Deputy Assistant Director. 4 Remount officers, one attached to each Command Headquarters, 6 Superintendents of Remount Depots, 5 District Remount officers of horse-breeding areas and the Ahmednagar Stud, 16 Assistant Remount officers and 8 Veterinary officers.

Veterinary Services in India—The Veterinary services are responsible for the veterinary care, in peace and war, of animals of British troops, Indian cavalry and artillery, I A S C units, the remount department (excluding horse breeding operations), etc. The veterinary services include: The establishment of Royal Army Veterinary Corps officers, serving on a tour of duty in India and those of the continuous service cadre. The establishment of warrant and non-commissioned officers, India Unattached List, and veterinary assistant surgeons of the Indian Army Veterinary Corps.

The Indian Army Veterinary Corps is organised in 12 sections, attached in peace time to Class I veterinary hospitals at certain important stations.

Military Farms Department—This department, which is under the control of the Quartermaster-General, consists of two branches—

(i) The military grass farms, which provide fodder for the army.

(ii) The military dairy farms, for the provision of dairy produce for hospitals, troops and families.

Educational Services—The education of the army is under the control of the Army Educational Corps and of Indian officers borne supernumerary to the establishment of units of the Indian Army. The establishment is as follows including training schools—

British officers	Indian officers	B O	I O	Civilians
56	46	165	60	238

Terms of service in the Indian army are as follows—

Cavalry, 7 years' service in army and 8 years in the reserve.

Artillery, 7 years' service in army and 8 in the reserve for gunners and drivers (horse), drivers (mechanical transport) 6 years in army and 9 years in the reserve, and 4 years' service in army for Heavy Artillery personnel.

S & M Corps, 7 years' service in army and 8 in the reserve.

Indian Signal Corps, 7 years' service in army and 8 in the reserve.

Infantry (except Gurkhas and trans-frontier personnel of the Infantry other than Orakzais), 7 years in army service and 8 years in the reserve.

Gurkhas and trans-frontier personnel of infantry, 4 years' service in army.

Indian combatant personnel of British infantry 6 years in army.

Indian Military establishments of the Indian Army Ordnance Corps, 4 years' service in the army.

Animal transport personnel of the Indian Army Service Corps, drivers of mechanical transport and all combatants of the Army Veterinary Corps, 6 years' service in army and 9 in the reserve.

All combatants in the Works Corps, 2 years' service in army.

Bandsmen, musicians, trumpeters, drummers, buglers, fifers and pipers, 10 years' service in army.

Except in the case of those enrolled in the Works and of those who are non-combatants, all school-masters, clerks, artificers, armourers, engine drivers, farmers, carpenters, tailors and bootmakers, 10 years' service in army.

The period laid down for service in the army is the minimum and may be extended. Combatants may be enrolled direct into the Reserve, in which case there is no minimum period of service, but no one is allowed to serve in the reserve or in any class of the reserve for a longer period than is permitted by the regulations in force.

Frontier Militia and Levy Corps—These forces are "Civil" troops, i.e., they are administered and paid by the Civil authorities and not by the Army. They are, however, officered by Officers of the Regular Indian Army. These forces were raised for duty on the North West Frontier and at present consist of the following—Kurram Militia, Tochi Scouts, South Waziristan Scouts, Chitral Scouts, Gilgit Scouts, Zhob militia and the Mekran Levy Corps.

The Auxiliary Force.

After the war, the question of universal training for European British subjects came up for consideration, and it was decided that in India, as elsewhere in the Empire, the adoption of compulsory military service would be undesirable. It was recognised, however, that India needed some adequate auxiliary force, if only on a voluntary basis, that could be trained to a fairly definite standard of efficiency, and in the result, an Act to constitute an Auxiliary Force for service in India was passed in 1920. Under this Act membership is limited to European British subjects, and the liability of members for training and service is clearly defined. Military training is graduated according to age, the more extended training being carried out by the younger members, the older members being obliged to fire a musketry course only. It was laid down that military service should be purely local. As the form of service that would be most suitable varies largely according to localities, the local military authorities, acting in consultation with the advisory committee of the Auxiliary Force area, were given the power of adjusting the form of training to suit local conditions.

The Auxiliary Force comprises all branches of the service—cavalry, artillery, engineers, infantry—in which are included railway battalions,—machine gun companies, a Signal Company, and the Medical and Veteri-

nary Corps Units of the Auxiliary Force are under the command of the local military authority, and the latter has the power of calling them out for service locally in a case of emergency. Their role is to assist in home defence. Training is carried on throughout the year. Pay at a fixed rate is given for each day's training and, on completion of the scheduled period of annual training, every enrolled member of the force is entitled to a certain bonus. Men enrol in the Auxiliary Force for an indefinite period. An enrolled person is entitled to claim his discharge on the completion of four years' service or on attaining the age of 45 years. Till then he can only be discharged on the recommendation of the advisory committee of the area.

The duties connected with the Defence Light Sections at Calcutta, Bombay, Karachi and Rangoon are performed by the Field Companies R E (A F I) at those stations, assisted by Indian ranks of Sapper and Miner Units.

Indian Territorial Force

The Territorial Force is one of the several aspects of the Indianisation of the military services. The force is intended to cater, amongst other things, for the military aspirations of those classes of the population to whom military service has not hitherto been a hereditary profession. It is intended, at the same time, to be a second line to and a source of reinforcement for the regular Indian army. Membership of the force for this latter reason carries with it a liability for something more than purely local service or home defence. It may, in certain circumstances, involve service overseas. The force is the direct successor of the Indian section of the Indian Defence Force created during the war. It has been modelled on the old militia in England. The essence of its scheme of organisation consists in training men by means of annual embodiment for a short period in successive years. By this means Indian Territorial Force units can be given sufficient preliminary training in peace to enable them, after a comparatively short period of intensive training, to take their place by the side of regular units in war.

The Indian Territorial Force consists at present of three main categories, provincial battalions, urban units and the university training corps units. The last are recruited from the staff and students of Indian universities. They are trained all the year round by means of weekly drills during terms and a period of 15 days in camp and are equipped with a permanent staff of British instructors. On ceasing to belong to a university, a member of the corps is discharged. In the case of the university training corps units there is no liability to perform the liability to render actual military service. Their purpose is mainly educative, to inculcate discipline and form character. But, incidentally, they are expected to be a source of supply of both officers and men for the provincial and urban units.

The members of the provincial battalions accept the full liability for service which has been mentioned. Seven such battalions were constituted in the first instance. The number is now eighteen and, though the unit establish-

ment has not been completely filled in all cases, the movement has already achieved a greater degree of success than might have been anticipated at so early a stage. Although for the present the infantry arm only has been created with the addition of the I T F Medical Branch, the force by law may include every other army service.

Men enrol in the provincial battalions for a period of six years, the period being reduced to four years in certain cases. On the completion of the first period they can re-enrol voluntarily for further specified periods. During his first year, every man does preliminary training for one calendar month and during every year he receives one month's periodical training. Members of urban units have only a provincial liability. 4 such units were constituted in 1928 in Bombay, Madras, and the United Provinces, one of which has since been disbanded. Members enrolled for a period of 6 years and train all the year round. During his first year every man does 32 days' preliminary training, and in every subsequent year 16 days' periodical training.

The Indian State Forces

The Indian State Forces, formerly designated "Imperial Service Troops," consist of the military forces raised and maintained by the Rulers of Indian States at their own expense and for State service. It has been the custom in emergency for State troops to be lent to the Government of India, and the Government of India have on many occasions received military assistance of great value from this source. But the rendering of such aid is entirely at the discretion of the Ruling Princes and Chiefs. Government, on the other hand, provide permanently a staff of British officers, termed "Military Advisers and Assistant Military Advisers," to assist and advise the Ruling Princes in organising and training the troops of their States.

After the war had ended, the Indian States, like the Government of India, undertook a military reorganisation, which in a number of cases, has already been carried out. The principal feature of the new arrangements, as adopted more or less generally, is that in future the Indian State Forces should be composed of three categories of troops, namely:

Class A—Troops in this class are organised on the present-day Indian Army system and establishments, and, with some exceptions, are armed with the same weapons as corresponding units of the regular Indian Army.

Class B—These troops consist of units which are, in most cases, little inferior in training and discipline to troops of Class A, but they are not organised on present-day Indian Army establishments. They have, as a rule, retained the system of the pre-war formations. Their standard of armament is pitched lower than that of Class A troops.

Class C—These troops consist in the main of militia formations, which are not permanently embodied. The standard of training, discipline and armament, prescribed for this class, is generally lower than the standard prescribed for Class B troops.

The authorized and actual strength of the

Indian State Forces on the 1st October 1933, amounted to,—

	Authorized strength	Actual strength
Artillery	1,616	1,599
Cavalry	9,648	9,066
Infantry	34,684	29,506
Camel Corps	466	456
Motor Machine Gun Sections	100	85
Sappers	1,307	1,067
Transport Corps	1,560	1,608
Grand total	49,371	43,387

Officers

There are two main categories of officers in the Indian Army, those holding the King's Commission and those holding the Viceroy's Commission. The latter are all Indians, apart from the Gurkha officers of Gurkha battalions, and have a limited status and power of command, both of which are regulated by the Indian Army Act and the rules made thereunder. Within recent years several Indians have received King's Commissions, on entry into the Indian Army through the Royal Military College, Sandhurst and the Royal Military Academy, Woolwich.

King's Commissioned officers for the Indian Army are obtained from two main sources from among the cadets who pass through the Royal Military College, Sandhurst, and by the transfer to the Indian Army of officers belonging to British units. The former is the principal channel of recruitment, the latter being only resorted to when, owing to abnormal wastage or for some other special reason, requirements cannot be completed by means of cadets from Sandhurst. A third source is from among University candidates. When a cadet has qualified at Sandhurst and has received his commission, he becomes, in the first instance, an officer of the Unattached List, and is posted for a period of one year to a British battalion or regiment in India, where he receives a preliminary training in his military duties. At the end of the year, he is posted as a squadron or company officer to a regiment or battalion of the Indian Army. Administrative services and departments of the army draw their officers from combatant units, as it has hitherto been regarded as essential that every officer should, in the first instance, receive a thorough grounding in combatant duties, and acquire at first hand an intimate knowledge of the requirements of the combatant arms.

The promotion in rank of King's commissioned officers of the Indian Army is regulated by a time scale up to the rank of Lieutenant-Colonel but is subject also to certain professional examinations and tests being successfully passed. The rank of Lieutenant-Colonel is in normal course attained at 26 years' service, promotion beyond this rank is determined by selection.

Indian Officers—One of the most momentous decisions of the Great War, so far as the Indian Army is concerned, was that which rendered Indians eligible to hold the King's commission in the army. King's commissions are obtainable by Indian gentlemen in three ways. (1) By qualifying as a cadet through the Royal Military College Sandhurst or the Royal Military Academy, Woolwich. Examinations are held twice a year in India for the selection

of suitable candidates for admission. (2) By the selection of specially capable and deserving Indian officers or non-commissioned officers of Indian regiments promoted from the ranks or those appointed direct as jemadar. These receive their commissions after training at the Royal Military College or Academy as Cadets and qualifying in the usual way. (3) By the bestowal of honorary King's commissions on Indian officers who have rendered distinguished service, but whose age and lack of education preclude their being granted the full King's commission. The first two avenues of selection mentioned afford full opportunity to the Indian of satisfying a military ambition and of enjoying a military career on terms of absolute equality with the British officer, who, as a general rule, also enters the army by qualifying at Sandhurst or Woolwich. Until 1931, ten vacancies at Sandhurst and three at Woolwich were reserved annually for Indian cadets.

A further measure adopted by the Government was the establishment of the Prince of Wales' Royal Indian Military College at Dehra Dun, a Government institution for the preliminary education of Indians who desire to qualify for the King's commission in the army through the Royal Military College, Sandhurst or the Royal Military Academy, Woolwich. The arrangements so far made enable a maximum of 70 boys to be in residence at the college at any one time, and the normal course of education is planned to occupy six years. In February 1923, it was decided that eight units of the Indian Army should be completely Indianized. The units selected for Indianization were 7th Light Cavalry, 16th Light Cavalry, 2nd Bn, Madras Pioneers, 4/19th Hyderabad Regiment, 5th Royal Battalion, 5th Mahratta Light Infantry, 1/7th Rajput Regiment (Q V O L I), 1/14th Punjab Regiment, 2/1st Punjab Regiment.

In 1932 a considerable advance in the Indianization of the Army was made by the announcement that it was intended to Indianize a Division of all Arms and a Cavalry Brigade. In order to implement this decision, the following units have been marked for Indianization, 3rd Cavalry, 5/2nd Punjab Regiment, 5/6th Rajputana Rifles, 5/8th Punjab Regiment, 5/10th Baluch Regiment, 5/11th Sikh Regiment, 4/12th Frontier Force Regiment, and 6th Royal Battalion 13th Frontier Force Rifles, in addition to units of Indian Artillery, Engineers, etc., together with the usual complement of ancillary services, to make up a complete Division.

In order to train officers for the Indian Army of the future, the Indian Military Academy at Dehra Dun was opened in October 1932. It will provide officers for all arms cavalry, infantry, artillery and signals.

Training Institutions

The following institutions exist in India for the higher training of military personnel and for the education of instructors for units—
 Staff College, Quetta
 Senior Officers' School, Belgaum
 School of Artillery, Kakul
 Equestrian School, Sagar
 Small Arms Schools (India), at Pacamarihi and Ahmednagar
 Army School of Physical Training, Ambala
 Army Signal School, Poona

Royal Tank Corps School, Ahmednagar
 Army School of Education, Belgium
 Army School of Cookery, Poona
 Army Veterinary Schools, Ambala and Poona
 Indian Army Service Corps Training Establishment, Rawalpindi
 Indian Army Ordnance Corps School of Instruction, Kirkee

The object of these Schools is to ensure to all the units throughout the army a constant supply of officers, warrant officers, non commissioned officers and men, provided with a thorough up to date knowledge of various technical subjects, and with the ability to pass on this knowledge.

Following the procedure adopted at Home, the Small Arms and Machine Gun Schools were amalgamated in February 1927. Instruction in the rifle, light gun, etc., is carried out at Pachmarhi and in the machine gun at Ahmednagar.

The King George's Royal Indian Military Schools at Jhelum, Jullundur and Ajmere, and the Kitcheners College, Nowgong, also exist for the education of the sons of Indian soldiers, with a view to their finding a career in the Indian Army. The latter at present assists in the training of Indian N C Os for promotion to Viceroy's Commission. The Prince of Wales's Royal Indian Military College at Dehra Dun exists for the preliminary education of Indians who desire to qualify for the King's Commission in the Army through the Indian Military Academy.

Army in India Reserve of Officers—Previous to the Great War there existed what was called the Indian Army Reserve of Officers, a body of trained officers available to replace casualties in the Indian Army. The war proved that for many reasons this reserve did not fully meet requirements and in 1922 the Army in India Reserve of Officers was constituted.

The revised Regulations for the A I R O published in 1926 provide that the following gentlemen may be granted commissions in the Reserve—

- (1) Officers who having held King's commissions and retired from H M's forces
- (2) Officers, other than Military officers, serving under the Government of India or a local Government
- (3) Private gentlemen residing in India, possessing the requisite qualifications and previous training

The Reserve comprises each arm and branch of the Army and the officers are posted to definite branches and units.

All officers are required to undergo periodical training up to a maximum of 30 days a year and receive pay and allowances admissible to regular officers of the same rank and arm of the service, during training.

Members of the Auxiliary Force, India, may become "officers designate" for the grant of commissions in the A I R O, upon the calling to army service of that reserve.

Officers and officers designate receive Rs 200 annually as a retaining fee, and an outfit allowance of Rs 400, on joining.

The strength of the Reserve on the 1st January 1934 was 1,398.

Recruitment for the Reserve has been extended to Ceylon, the number to be commissioned in Ceylon being limited to 50.

The Fighting Races—The fighting classes that contribute to the composition of the

Indian Army have hitherto been drawn mainly from the north of India but the experiences of the great war have caused some modifications in the opinions previously held as to the relative value of these and other fighting men. The numbers of the various castes and tribes enlisted in the Army have since the war undergone fluctuations, and it is not possible at present to give exact information as to their proportions. Previous to the war the Sikhs contributed very large numbers both to the cavalry and infantry, and the contribution of the Gurkhas was also large. The Sikhs, who inhabit the Punjab originated in a sect founded near Lahore by a peasant in the early part of the sixteenth century and in the course of a hundred years grew into a formidable militant power. Muhammadans of various races contribute a still larger proportion to both the cavalry and infantry. These are drawn both from the north and the south of India, as well as from beyond the Frontier. They are all excellent fighting men, hard and warlike, who have furnished soldiers to all the great powers of India for many hundreds of years. As cavalry the Muhammadans are perhaps unequalled by any other race in the East, being good horsemen and expert men-at-arms.

Next in point of numbers are the Gurkhas of Nepal, of whom there are twenty complete battalions which during the war were considerably increased. As fighters in the hills they are unsurpassed even by the Pathans in the North-West Frontier but the Garhwals and Kumaonis are equally good mountaineers.

The professional military caste of India from time immemorial has been the Rajput, inhabiting not only Rajputana but the United Provinces and Oudh. Of fine physique and martial bearing, these warriors of Hindustan formed the backbone of the old Bengal Army, and have sustained the English flag in every campaign in the East. Their high caste and consequent prejudices in no respect interfere with their martial instincts and efficiency in war. They furnish many battalions. The Garhwals are Hill Rajputs, good and gallant soldiers, who have proved themselves equal to any other troops on the field of battle and have established an imperishable record in the war both in Europe and in the East. The two battalions which existed in 1914 have since been increased to four. The Jats are a fine and warlike race of Hindus found in the Delhi and Kohat districts and adjoining territory. It was these people who held out so bravely at Bharatpur and repelled Lord Lake's army in 1805. They have proved themselves good soldiers on the battlefields of Europe. Dogris are good and steady soldiers found in the hilly districts of the Punjab. They fought well in Flanders and in Mesopotamia.

Among those who have rendered signal and gallant service in the war are the Maharrattas of the Deccan and the Konkan, who have revived the reputation held by their race in the days of Shivaji, the founder of the Maharratta Empire. It is probable that their proved efficiency in war will lead to their recruitment in larger numbers in future.

In addition to the castes that have been mentioned other caste men from the south and other parts of India have filled the ranks of the

Sappers and Miners, and done their duty well in every campaign in which they have been engaged *

During the war the Victoria Cross was awarded for conspicuous gallantry to 2 Indian officers, 4 non commissioned officers and 6 other ranks of the Indian Army

The Military Cross was awarded to 96 Indian Officers for distinguished service rendered during the Great War and to 3 Indian Officers for service in Waziristan

A large number of Indian Officers and men were also granted Foreign decorations

Summary of India's Effort in the War — In a despatch by the Commander-in-Chief published in July, 1919, the whole operations of the Indian Army during the war are reviewed

His Excellency gives in it the following figures showing the extent of India's contribution in terms of men. On the outbreak on war, the combatant strength of the Indian Army, including reservists, was 194,000 Indian ranks, enlistments during the war for all branches of the service amounted to 791,000, making a total combatant contribution of 985,000. Of this number, 552,000 were sent overseas. As regards non combatants, the pre-war strength was 45,000, an additional 427,000 were enrolled during the war and 391,000 were sent overseas. The total contribution of Indian personnel has thus been 1,457,000, of whom 943,000 have served overseas. Casualties amounted to 106,594, which include 36,696 deaths from all causes. The number of animals sent overseas was 175,000 *

Effectives, 1933

	Officers with King's Commissions	British other ranks	Indian Officers with Viceroy's Commissions	Indian other ranks	Clerks and other civilians	Followers	Indian reservists
1	2	3	4	5	6	7	8
I Combatant Services (includes Cavalry, Artillery Engineers, Pioneers, Infantry, Signal Service and Tank Corps)	4,012	54,576	3,174	1,21,718	(a)	19,280	32,965
II Staff (inclusive of personnel of Administrative Services)	550	476	14	129	1,345	507	
III Training Establishments (inclusive of personnel of Departmental Corps)	104	132	14	90	51	508	
IV Educational Establishments	65	154	55	70	375	399	
V Indian Army Service Corps (Numbers taken after deducting the numbers included in item I)	386	769	278	13,403	1,288	5,681	4,611
VI Indian Army Ordnance Corps (Numbers taken after deducting the numbers included in item II)	81	561	6	1,128	546	191	85
VII Medical Services (Numbers taken after deducting the numbers included in item II)	860	802	623	3,427		4,707	5,300
VIII Veterinary Services (Numbers taken after deducting the numbers included in item II)	44	4	105	560	46	90	77
IX Remount Services (Numbers taken after deducting the numbers included in item II)	26	18	3	140	298	2,618	
X Miscellaneous Establishments (inclusive of Military Accounts Department)	323	155	138	586	4,368	2,173	169
XI. Auxiliary and Territorial Forces (Permanent Establishments)	127	256			15	5	
Total	6,578	57,903	4,410	1,42,256	8,331	36,159	43,207

(a) Included in column 7

* For a record of the services of the Indian Army in the War, see "The Indian Year Book" of 1920, p 152, et seq

Budget Expenditure on National Defence

A part of the Defence expenditure on the Indian Budget is incurred in England, the nature of such expenditure being indicated in the detailed Tables of Army, Marine and Military Engineer Services expenditure. This expenditure is met by transfer of funds from India. From the 1st April 1920 to the 31st March 1927, the accounts were prepared on the basis of the rate of 2s per rupee for the conversion of English sterling transaction into rupees. From the 1st April 1927 the accounts

are being prepared at the standard rate of 1s 6d per rupee.

As a rule, the receipts collected by the various departments are not set off against expenditure as appropriations in aid, but are shown separately on the receipts side of the budget. This is especially the case with the receipts of the Military Departments, which amount to considerable sums.

The Provincial Governments incur no expenditure for Military purposes.

SUMMARY OF DEFENCE EXPENDITURE (Gross)

Table 1

	1931-32	1932-33	1933-34.
	Closed Accounts	Revised Estimates	Budget estimates as passed
	Rupees (000 s omitted)		
Defence Services—Effective	46,15,05	42,07,70	41,96,58
Defence Services—Non effective	8,70,45	8,51,08	8,55,09
Defence Reserve Fund ..	1,03,22		
Total	55,88,74	50,58,78	50,51,67

NOTES—(1) This summary includes the cost of the Royal Air Force, which is included in the Army Estimates, and also the expenditure on non-effective services, but does not include debt services.

(2) All Expenditure for Military purposes incurred in the United Kingdom by the Indian Government, as also all contributions to the Imperial Government for these purposes, are included in the above figures.

ANALYSIS OF DEFENCE EXPENDITURE

1 The following table gives the main items of Army Expenditure, (gross) shown for India and England separately —

Table 2

	1931-32	1932-33	1933-34
	Closed Accounts	Revised Estimates	Budget Estimates
	Rupees (000 s omitted)		
INDIA			
A <i>Standing Army</i>			
(1) Effective Services			
Fighting Services			13,79,67
Administrative services			6,11,95
Manufacturing establishments (including stores)			2,18,93
Army Headquarters, Staff of Commands, etc			1,85,73
Purchase and sale of stores, equipment and animals			4,04,51
Special Services			8
Transportation, Conservancy, anti-malarial measures, hot weather establishments and miscellaneous			1,98,25
Total Effective Services			29,99,12
(2) Non-effective Services			
Non-effective charges			3,51,37
B <i>Auxiliary and Territorial Forces</i>			
Effective			68,39
C <i>Royal Air Force</i>			
Effective			95,72
Non-effective			32
Total India			
Effective	34,95,39	32,36,32	51,63,23
Non-effective	3,56,97	3,53,03	3,51,69
Total ..	38,52,36	35,89,35	55,14,92

Table 2—contd

	1931-32	1932-33	1933-34
	Closed Accounts	Revised Estimates	Budget Estimates
ENGLAND.	(Rupees	000's omitted)	
1. Standing Army			
(1) Effective Services			
Fighting Services			3,24,48
Administrative Services			42,42
Manufacturing establishments (including stores)			24,22
Army Headquarters, Staff of Commands, etc			11,77
Purchase and sale of stores, equipment and animals			40,67
Special Services			
Transportation, Conservancy, anti-malarial measures, hot weather establishments and miscellaneous			89,45
Total Effective Services			5,33,01
(2) Non-effective Services			4,91,17
B Royal Air Force			
Effective			61,40
Non effective . .			3,10
Total England .	12,55,33	11,02,59	10,88,68
Total Army Expenditure			
Effective . . .	42,61,37	38,48,40	37,57,64
Non-effective .	8,46,32	8,43,54	8 45,96
Grand Total .	51,07,69	46,91,94	46,03,63

The amounts expended in England on effective services consist of such charges as payments to the War Office and Air Ministry in London in respect of British Forces serving in India, the transport to India of these forces, and payments on account of stores taken to India by British Forces, educational establishments in England for Indian Services, leave pay of Indian and British service Officers on the Indian Establishments, purchase of imported stores, etc. The expenditure on non effective services consists of payments to the War Office in London for retired pay to British forces for services in India and to non-effective and retired officers of the Indian Service, and of various gratuities.

Although a sum of Rs 460 millions only has been allotted in the Budget for 1933-34 to meet the net expenditure on Military Services Rs 505.1 millions (including receipts) will be available for expenditure under the heading "Military Services" made up of Rs 391.9 millions for expenditure in India and Rs 113.2 millions in England.

The gross working expenses of military establishments, such as bakeries, pasture and dairy farms, army clothing factories, and storage depots, army ordnance factories and base mechanical transport workshops are included in the Budget.

. The Strength of the Army.

BRITISH TROOPS

THE EAST INDIES SQUADRON

Since 1903 a squadron of the Royal Navy, known as the East Indies Squadron, has been maintained in Indian waters. It has naturally varied in strength from time to time. In 1903 the squadron consisted of one second class and three smaller cruisers and four sloops or gunboats. In 1906, it consisted of two second class and two third class cruisers, and remained at this strength until 1910 when one second class cruiser was withdrawn and two smaller vessels substituted, and three cruisers were lent from the Mediterranean to assist in the suppression of the arms traffic in the Gulf. By 1913 the position of the East Indies

squadron had considerably improved. The battleship *Swiftsure* had taken the place of the second class cruiser which had been *Perseus*, and another, second class cruiser replaced the *Perseus*.

The present composition of the East Indies Squadron (Fourth Cruiser Squadron) is as follows —

"Hawkins" (Isc), Cruiser 9,800 tons
"Emerald," Cruiser, 7,550 tons, "Enterprise"
7,550 tons Sloops "Jupia," Cruiser 7,550
Sloops "Iolkstone," "Ioway," "Shorcham"
and "Blisford,"

India contributes £100,000 a year towards naval expenditure and approximately £3,000 a year on account of Indian Transport Service performed by the Admiralty, and also maintains the Royal Indian Marine as a Naval Service.

India's Marine Expenditure

Since 1869 India has paid a contribution of varying amounts to the Imperial Government in consideration of services performed by the Royal Navy. Under existing arrangements which date from 1896-7 the subsidy of £100,000 a year is paid for the upkeep of certain ships of the East India Squadron which may not be employed beyond prescribed limits except with the consent of the Government of India. The expenditure amounts to nearly £400,000 annually.

The question of a new distribution of the burden of the cost of Imperial Naval defence was discussed at the Imperial Conference in London in October—November 1926. The matter appeared to be one on which the delegates could form no new decision without further consultations in their respective capitals and no resolution was passed.

The Royal Indian Marine has been reorganized so as to form the nucleus of the Indian Navy. It consists of 1 Depot Ship 4 Sloops, 2 Patrol vessels and a Survey vessel. A fifth sloop is under construction in England and will replace one of the Patrol vessels.

ROYAL INDIAN MARINE

The Royal Indian Marine (The Sea Service under the Government of India) traces its origin so far back as 1612 when the East India Company stationed at Surat found that it was necessary to provide themselves with armed vessels to protect their commerce and settlements from the Dutch or Portuguese and from the pirates which infested the Indian coasts. The first two ships, the *Dragon* and *Hosander* (or *Osiander*), were despatched from England in 1612 under a Captain Best, and since those days under slightly varying titles and of various strengths the Government in India have always maintained a sea service.

The periods and titles have been as follows —

Hon E I Co's Marine	1612—1686
Bombay "	1686—1830
Indian Navy "	1830—1863
Bombay Marine "	1863—1877
H M Indian Marine	1877—1892
Royal Indian Marine	1892, Present day

The Marine has always been most closely connected with Bombay, and in 1668 when the E India Co took over Bombay, Captain Young of the Marine was appointed Deputy Governor. From then until 1877 the Marine was under the Government of Bombay, and although from that date all the Marine Establishments were amalgamated into an Imperial Marine under the Government of India, Bombay has continued to be the headquarters and the official residence of the Director

War Service of the Marine

1612-1717 Continuous wars against Dutch, Portuguese and Pirates for supremacy of West Coast of India. 1744 War with France capture of Chandernagore, and French ship *Indienne*. In 1756 Capture of Castle of Gheria. 1774 Mahratta War, capture of Tannah. Latter part of the eighteenth century, war with French and Dutch, Capture of Pondicherry, Trincomalee, Jafnapatam, Colombo, etc. 1801 Egyptian campaign under Sir Ralph Abercrombie. 1803 War with France. 1810 Taking of Mauritius and capture of French ship in Port Louis. Early part of the nineteenth century suppression of Jowasmi Pirates in the Persian Gulf. 1811 Conquest of Tara. 1813 Expedition against Sultan of Sambar. 1817-18 Mahratta War, capture of Forts at Severndroog. 1819 Expedition to exterminate piracy in the Persian Gulf. 1820 Capture of Mocha. 1821 Expedition against the Beni-koo-Ali Arabs. 1824-26 First Burma War. 1827 Blockade of Berbera and Somali Coast. 1835 Defeat of Beni Yas Pirater. 1838 Expedition to Afghanistan and capture of Karachi. 1838 Capture of Aden. 1840-42 War in China. 1843 Scinde War. Battle of Meanee, capture of Hyderabad. 1845-46 Maori war in New Zealand. 1848-49 War in Punjab, siege of Mooltan. 1852 Second Burma War, Capture of Rangoon, Martaban, Bassein, Promé and Pegu. 1855 Persian

War, capture of Bushire, Muhammerah and Ahwaz 1856-57 War in China 1857-59 The Indian Mutiny 1859 Capture of the Island of Beyt 1860 China War, Canton, Taku Forts, Fatsan and Pekin 1871 Abyssinian War 1882 Egyptian Campaign 1885 Egyptian Campaign 1885 Third Burma War 1889 Chin-Lshai Expedition 1896 Suakin Expedition 1897 Expedition to Intirbe, Mombassa E Africa 1899-1902 S African War 1900-01 Boxer Rebellion in China relief of Pekin, 1902-04 Somaliland Expedition, Suppression of Arms Traffic operations, Persian Gulf, 1912-14

During the War 1914-1918 Royal Indian Marine Officers were employed on many and various duties. Royal Indian Marine Ships "DUFFERIN," "HARDINGE," "NORTHBROOK," "LAWRENCE," "DALHOUSIE" and "MINTO" had their guns mounted and served as Auxiliary Cruisers. Officers also served in the Royal Navy in the Grand Fleet, Mediterranean North Sea, North Red Sea and Caspian & a Fleets

In addition to transport duties in Indian Ports, Officers were sent to Marseilles, East Africa and Egypt for such duties, and on the entry of Turkey into the War were employed on duties towing and manning River Craft and Barges to and in Mesopotamia, and it was necessary to enlist a number of Temporary Officers, Warrant Officers and men to the numbers of approximately 240, 60 and 2,000 respectively for these and other duties

When the War Office assumed full control of Operations in Mesopotamia a large number of Regular and Temporary Officers and men were seconded to the Royal Engineers and General Service respectively for duties in the Inland Water Transport which controlled all River Transport work in that country, and these officers held many important executive appointments in that unit

The movements of all sea transports between India and the various theatres of War were controlled by Marine Officers

Trawlers were built in the Bombay and Calcutta Dockyards and mine sweeping operations were carried out with these and launches off Bombay and elsewhere, the trawlers were also used for towing duties

Retired Royal Indian Marine Officers were employed on naval transport duties in England and France, and also in very responsible positions with the Inland Water Transport in France

Service in the War 1914-18—The Royal Indian Marine, though a small Service compared with the Army and Navy, played a very active and conspicuous part in the European War. These are set out in detail in the Indian Year Book for 1922 and earlier editions (*q v p 202 et seq*)

Reorganisation Schemes—After the War the Government of India asked Admiral of the Fleet Lord Jellicoe, who was visiting India, to draw up a scheme for the reorganisation of the Service. His valuable suggestions were unfortunately too ambitious for Indian finances and could not be accepted

Shortly afterwards the Esher Committee arrived in India to report on the Indian Army and although the R I M was not included in their terms of reference, they strongly recommended that the R I M should be reorganised as a combatant service. The Government of India in 1920 obtained from the Admiralty the services of Rear-Admiral Mawby as Director, R I M, to draw up a scheme of reorganisation within limited lines. His scheme, however, was not adopted, and Admiral Mawby resigned his appointment

The R I M then fell upon hard times, money was scarce, the report of the Inchcape Committee necessitated drastic retrenchments, and the working of the Montagu Chelmsford reforms resulted in the Local Governments having to defray the cost of the work of R I M ships on their various stations, on lighthouse duties, transport work, carrying of officials, etc. The Local Governments were naturally inclined to think that if they had to pay they would like to have a say in the management, and that if the work could be done cheaper locally, they should arrange to carry out the duties themselves. Further, the Inchcape Committee recommended that the three large troopships should be scrapped and all trooping carried out under contract, which would have left the Marine with only the Survey Department and the Bombay Dockyard

A Combatant Service—Happily for the Service, however, the Government of India in 1925 appointed a Departmental Committee under the Chairmanship of General Lord Rawlinson, in his capacity of Minister of Defence and Member of Council in charge of the Marine Portfolio, to submit a scheme for the reorganisation of the Service as a combatant force. This Committee recommended that the Service should be reorganised as a purely combatant Naval Service with the title of Royal Indian Navy, with a strength in the first instance of 4 armed sloops, 2 patrol vessels, 4 mine sweeping trawlers, 2 surveying ships and a depot ship, the Service in the first instance to be commanded by a Rear-Admiral on the active list in the Royal Navy. The scheme was accepted by the Indian and Home Governments, and the necessary Act to permit India to maintain a Navy was passed through both Houses of Parliament

To effect the change in the title it was necessary to draw up a new Indian Naval Discipline Act, and this had to be passed in the Legislative Assembly and Council of State in India. The Bill was introduced in February 1928, when the Government were defeated by one vote, the defeat being caused, not by the fact that the people of India did not want an Indian Navy, but because in some cases members did not consider that the Legislature had been properly and fully consulted beforehand. Other members voted against the Bill on principle, as they considered that both Army and Navy should be directly controlled by the Legislature, while the extremists voted against it because they were prepared to vote against any Government Bill which might be introduced

The blow to the Service was a heavy one, as it was feared that the defeat might put an

end to the reorganisation. The Government, however, decided that the reorganisation should continue on the original lines, except that the title could not be altered, and that the service would have to use the old Discipline Act, a perfectly correct "Articles of War" based on the Naval Discipline Acts.

In 1928, on the recommendation of the Admiralty, His Majesty the King approved of the change in uniform of officers to that of the Royal Navy, with the exception of the buttons

of the R I M, which bear the Star of India as a distinctive mark, and also of the flying in R I M ships of the White Pennant and the White Insign of the Royal Navy. The White Insign was hoisted for the first time on Armistice Day, November 11th, 1928.

The Indian Marine is now reorganised as one of the fighting forces of the Empire under the command of a Flag Officer on the active list of the Royal Navy. Its duties are purely naval and its personnel are trained for war.

Personnel, 1934

HEADQUARTERS STAFF

Flag Officer Commanding, Royal Indian Marine and P S I O, East Indies

Vice-Admiral Sir H. F. Walwan, K C S I, C B, D S O

Naval Secretary

Paymaster Captain L. A. Tolley, R N

Flag Lieutenant

Lieut. H. Morland, R I M

Chief of the Staff and Captain Superintendent of the R I M Dockyard

Captain A. G. Maundrell, R I M

Staff Officer (Operations)

Commander H. L. Davis, R N M

Commander of the Dockyard

Commander J. N. Metcalfe, O B E, D S C, R I M

Squadron Gunnery Officer

Lieut.-Comdr. St. J. A. D. Garniss, R I M

Squadron Signal Officer

Engineer Captain W. W. Collins, R I M

Engineer Manager of the Dockyard

Engineer Commander W. Richardson, R I M

1st Assistant to the Engineer Manager of the Dockyard

Engineer Lieut.-Comdr. G. W. Underdown, R I M

2nd Assistant to the Engineer Manager of the Dockyard

Engineer Commander W. Richardson, R I M

Marine Store Officer

Financial Adviser to the Flag Officer Comdg R I M

C. Rajagopala Aiyar, Esq., M B E

Chief Superintendent to the Flag Officer Comdg R I M

V. G. Rose, Esq.

MARINE TRANSPORT STAFF

Divisional Marine Transport Officer, Bombay

Commander C. H. Boykett, R I M

Asst. Marine Transport Officer, 1st Grade

Lieut.-Comdr. H. C. Beauchamp, R I M

Marine Transport Officer, Karachi

Lieut. Comdr. R. R. Caws, R I M

CIVILIAN GAZETTED OFFICERS

Constructor

W. G. J. Francis, Esq.

Assistant Constructor

E. J. Underhay, Esq.

Electrical Engineer

N. T. Patterson, Esq.

Assistant Marine Store Officer

J. A. B. Hawes, Esq., (on leave)

OFFICERS

Captains

9

Commanders

15

Lieutenant-Commanders, and Sub-Lieutenants

Lieutenants,

44

Engineer Captain

1

Engineer Commanders

13

Engineer Lieutenant-Commanders, Engineer-Lieutenants and Engineer-Sub-Lieutenants

35

WARRANT OFFICERS

Gunners and Boatswains

Warrant Writers

PETTY OFFICERS AND MEN

Who are mostly recruited from the Ratnagiri District of the Bombay Presidency and the Punjab

SHIPS

Sloop Minesweeping	H M I S Clive	2,050 tons	1,700 Horse Power
Sloop . . .	„ Cornwallis	1,290 „	2,500 „
Sloop Minesweeping	„ Hindustan	1,190 „	2,000 S H P
Sloop Minesweeping..	„ Lawrence	1,225 „	1,900 Horse Power
Surveying Vessel .	„ Investigator	1,172 „	1,500 „
Depot Ship .	„ Dalhousie	1,960 „	
Patrol Vessel .	„ Pathan	695 „	3,500 S H P
„	„ Baluchi	682 „	3,500 „

In addition to the above there are 11 vessels composed of minesweeping and steam trawlers, service launches, target towing tugs, distributed at Bombay Calcutta, and Karachi

Dockyards

There were two Royal Indian Marine Dockyards at Bombay and at Calcutta, the former being the more important. The one at Calcutta has been closed. There are 5 graving docks and a wet basin at Bombay, together with factories

Medical Staff

Marine Surgeon, Bombay, Major J T Simson, M B, R A M C

Officer-in-Charge, Dockyard Dispensary, Captain J B D'Souza, M B E, I M D

R I M Warrant Officers

Officer in charge, Dockyard Police Force, Gunner, P O Haran R I M

Boatswain of the Dockyard, Boatswain A H Lovett, M B E, R I M

Appointments.

In addition to the regular appointments in the ships of the Royal Indian Marine, and in the R I M Dockyard, the following appointments under the Government of India, Commerce Department, are held by the officers of the Royal Indian Marine —

BOMBAY

Principal Officer, Mercantile Marine Department, Bombay District, Nautical Surveyor, Mercantile Marine Department, Bombay District, Principal Engineer and Ship Surveyor, 2nd, 3rd and 4th Engineers and Ship Surveyors

CALCUTTA

Principal Officer, Mercantile Marine Department, Calcutta District, Nautical Surveyor, Mercantile Marine Department, Calcutta District, Principal Engineer and Ship Surveyor, 2nd, 3rd, 4th and 5th Engineers and Ship Surveyors

MADRAS

Principal Officer, Mercantile Marine Department, Madras District, and Engineer and Ship Surveyor

BURMA

Principal Officer, Mercantile Marine Department, Rangoon District, Nautical Surveyor, Mercantile Marine Department, Rangoon District, and Engineer and Ship Surveyor, Rangoon

KARACHI

Principal Officer, Mercantile Marine Department, Karachi District

ADEN

Principal Officer, Mercantile Marine Department, Aden District

CHITTAGONG

Nautical Surveyor and Engineer and Ship Surveyor

PORT BLAIR.

Engineer and Harbour Master

Agriculture.

As crops depend on the existence of plant, food and moisture in the soil, so the character of the agriculture of a country depends largely on its soil and climate. It is true that geographical situation, the character of the people and other considerations have their influence which is not inconsiderable, but the limitations imposed by the nature of the soil and above all by the climate tend to the establishment of a certain class of agriculture under a certain given set of conditions.

The climate of India, while varying to some extent in degree, in most respects is remarkably similar in character throughout the country. The main factors in common are the monsoon, the dry winter and early summer months, and the intense heat from March till October. These have the effect of dividing the year into two agricultural seasons, the *Kharif* or Monsoon and the *Rabi* or Winter Season each bearing its own distinctive crops. Between early June and October abundant rains fall over the greater part of the continent while the winter months are generally dry, although North-Western India benefits from showers in December and January. The south of the Peninsula, and especially the Madras Presidency, however, is more truly tropical especially in the south, and depends mainly on the N-E monsoon, here the two crop seasons can hardly be said to exist. The distribution of the rainfall throughout the year, which is of considerable importance to agriculture, is none too favourable, but is not quite so bad as is often represented. The rainfall is greatest at what would otherwise be the hottest time of the year, viz, mid-summer, and when it is most needed. It should be remembered that in a hot country intermittent showers are practically valueless as evaporation is very rapid. Heavy rainfall concentrated in a limited period, though it has its drawbacks and demands a special system of agriculture, has many advantages in hot countries.

Soils—Four main soil types can be recognised in India, viz, (1) the Red soils derived from rocks of the Archean system which characterise Madras, Mysore and the South East of Bombay and extend through the East of Hyderabad and the Central Provinces to Orissa, Chota Nagpur and the South of Bengal. (2) The black cotton or *regur* soils which overlie the Deccan trap and cover the greater part of Bombay, Berar and the Western parts of the Central Provinces and Hyderabad with extensions into Central India and Bundelkhand. The Madras *regur* soils though less typical are also important. (3) The great alluvial plains, agriculturally the most important tract in India as well as the most extensive, mainly the Indo Gangetic Plain embracing Sind, northern Rajputana, most of the Punjab, the plains of the United Provinces, most of Bihar and Bengal and half of Assam. (4) The laterite soils which form a belt round the Peninsula and extend through East Bengal into Assam and Burmah.

The great alluvial plains are characterised by ease of cultivation and rapid response to irrigation and manuring, broadly speaking there

are few soils in the world more suited to intensive agriculture so long as the water supply is assured. The other soils are less tractable and call for greater skill in management and are less adapted to small holdings, of these the *regur* soils are the most valuable.

Agricultural Capital and Equipment—India is a country of small holdings and the commonest type is that which can be cultivated with one pair of bullocks under local conditions. Large holdings are practically unknown, and are mainly confined to the planting industries. Farming is carried on with a minimum of capital there being practically no outlay on fencing buildings, or implements. Many causes militate against the accumulation of capital and agricultural indebtedness is heavy and the interest on loans high. Great progress has been made by the co-operative credit movement during the last twenty years. There are now 64,187 Co-operative Credit Societies in India with some 4,182,000 members and a working capital exceeding 90 crores of rupees. Not only have these societies brought cheaper credit to the cultivator but they have striven to inculcate the lesson that cheap credit is only valuable if applied to productive purposes and have encouraged thrift.

Equipment—Practically all cultivation is done by bullocks and the capacity of these as draught animals varies from district to district as well as depending on the cultivator's individual circumstances. The best types in common use are capable of handling what would be considered as light single-horse implements in Europe. In those tracts where irrigation is from wells, bullocks are also used for drawing water, they also drive the sugarcane crusher and tread out the grain at harvest. His implements being few, a cultivator's bullocks form by far the most important item of his movable property.

Implements are made of wood although ploughs are usually tipped with iron points, and there is a great similarity in their shape and general design. The introduction of iron ploughs has made much progress in the last few years and many hundred thousands are now in use. The levelling beam is used throughout the greater part of the country in preference to the harrow and roller, and throughout Northern India the plough and the levelling beam are the only implements possessed by the ordinary cultivator.

On black cotton soils the commonest implement is the *balhar*, a simple form of broad shape plough. Seed drills and drill hoes are in use in parts of Bombay and Madras but throughout the greater part of the country the seed is either broadcasted or ploughed in. Hand implements consist of various sizes of hoes, the best known of which are the *kodal* or spade with a blade set at an angle towards the labourer who does not use his feet in digging, and the *khurpi* or small hand hoe. Of harvesting machinery there is none, grain is separated either by treading out with oxen or beating out by hand, and winnowing by the agency of the wind. Simple reapers and winnowers are slowly coming into use in the wheat tracts. The larger iron ploughs are now a familiar sight in certain black soil areas and the use of other improved implements is growing,

Even motor tractor ploughs are now estimated to number hundreds and a few steam ploughing sets are at work reclaiming land from deep-rooted grasses

Cultivation—Cultivation at its best is distinctly good but in the greater part of the country there is plenty of room for improvement. As in any other country success in agriculture varies greatly with the character of the people depending largely as it does on thrift and industry. In most places considering the large population cultivation is none too good. Agriculture suffers through lack of organization and equipment. Two economic factors tend to keep down the standard of cultivation. Holdings are not only small but fragmented and the Indian laws of inheritance both perpetuate and intensify this evil. Very definite attempts are now being made in several provinces and states to amend matters and consolidate holdings but the process is necessarily slow. Secondly, cultivators rarely live on or near to their holdings but congregate in villages. The need for mutual protection is less than formerly and though tradition dies hard sub-villages are now springing up in many places. For *Rabi* crops which demand a fine seed-bed preparatory tillage consists mainly of repeated treatments with the indigenous plough (or on black soils the *Bakhar*) which serves the purpose of plough, harrow and cultivator, combined with applications of the levelling beam. Crude as these implements are, they produce in Northern India a surface mulch and moist sub soil which is the aim of all dry-farming operations. For *Kharif* crops the preparation is much less thorough as it is essential to sow without delay. Interculture is usually inadequate. Manure is generally applied to more valuable crops like sugarcane, cotton, tobacco, etc. Seeding is either done broadcast or by drilling behind a wooden plough or drill. Thinning and spacing are not nearly so well done as they might be, and intercultivation is generally too superficial. Harvesting is done by sickle where the crops are cut whole, and there is little waste involved. At their best the ryot's methods are not ineffective but being uneconomical of both cattle and man-power, they are seldom carried out fully. The use of simple improved implements and of machines which lessen the strain on the bullocks, which the agricultural department is steadily fostering, is an important factor in raising the general standard of agriculture.

Irrigation—The concentration of the principal rainfall in less than a third of the year, which is not the sowing period of the *rabi* crops, places a very definite limit of the yield which can be obtained from the principal cereal crops. Some other crops, e.g., Sugarcane, can hardly be grown indeed without supplementary watering. With adequate irrigation the yield from the principal grain crops in Northern India is doubled even in areas where the monsoon is generous, whilst in the great canal colonies barren desert has become fertile land. The Indian canal system is by far the largest in the world and already irrigates 32 million acres of crops annually. The area will be increased shortly to 40 million acres when works under construction are completed and, when the

various new canals are developed fully, will probably reach 50 million acres. The protective effect of the canals in many areas is no less important than the enhanced yield. Protective irrigation works have made agriculture stable instead of precarious in many districts. The Indian canals are of two types—perennial and inundation—and the trend of irrigation practice is to replace the latter by the former wherever possible. The great perennial canals in the North of India draw their supply from snow-fed rivers, the inundation canals run only when the rivers rise with the melting of the snow in April-May and must close when supplies fall at the end of the monsoon. Other canals depend for their supply during the dry part of the year on water stored behind great dams thrown across suitable gorges and are in consequence less dependable than the larger snow-fed systems. Water rates are levied on the area of irrigated crops matured so that Government bears part of the risk of failure of crops. Different rates are charged for different crops and vary somewhat in different parts of India, rates are also lower when the water has to be lifted than when flow irrigation is given.

At the present time the Bombay Presidency possesses the most spectacular irrigation schemes in India—if not in the world. The Lloyd Dam at Bhatgar, 190 feet high, has the greatest cubical contents of any masonry wall in the world, the Wilson Dam at Bhandardara, impounding 272 feet of water, is far and away the highest dam in India, whilst the Sukkur Barrage in Sind across the Indus irrigates a desert whose area far exceeds that of any other scheme conceived by engineers.

Irrigation from Wells—About one quarter of the total irrigation of the country is got from lifting water from wells ranging in depth from a few feet to over fifty feet. Their numbers have greatly increased in recent years largely through Government advances for their construction. The recurring cost of this form of irrigation has, however, greatly increased owing to the high price of draught cattle and the increasing cost of their maintenance.

All Agricultural departments are now giving increased attention to the better utilisation of underground water supplies, existing wells being improved by boring and tube wells of large capacity installed and equipped with pumping machinery.

Tank irrigation is common in Central and Southern India. Large quantities of rain water are stored in lakes (or tanks) and distributed during the drier seasons of the year. Often the indirect effect of the tank in maintaining the sub soil water level is as important as the direct irrigation.

Manures—Although the number of cattle maintained in India is very high and indeed excessive, there is everywhere a shortage of farm-yard manure. This is partly due to the small use of bedding, for which straw can ill be spared, and to the keeping of cattle in the open but mainly to the use of dung as the principal source of village fuel. Hence the supply of organic matter to Indian soils is deficient. Unfortunately the Indian cultivator does not possess

The Chief Crops

the skill of the Chinaman in the making of composts and much valuable manurial material is wasted in every Indian village and to the detriment of sanitation. Green manure crops are spreading slowly and the use of oil cakes, especially castor cake, for the more valuable crops like sugarcane and tobacco is increasing.

The general trend of the results of experiments carried on by the various agricultural departments is to show that a better supply of organic manures is everywhere important, nitrogen is the most common limiting factor for India as a whole, phosphatic manures are definitely advantageous in certain more limited tracts. Manuring for higher production is gradually spreading as the result of village demonstrations at present prices of certain artificial fertilisers, notably ammonium sulphate and the newer types of soluble phosphatic manure are definitely profitable not only for tobacco, sugarcane and market garden crops but for some staple crops but generally speaking, the fall in the price of agriculture produce has arrested progress in the use of purchased fertilisers.

Rice—A reference to the crop statistics shows that rice is the most extensively grown crop in India, although it preponderates in the wetter parts of the country, viz., in Bengal, Bihar and Orissa, Burma and Madras. The crop requires for its proper maturing a moist climate with well assured rainfall. The cultivated varieties are numerous differing greatly in quality and in suitability for various conditions of soil and climate, and the people possess an intimate acquaintance with those grown in their own localities. The better qualities are sown in seed beds and transplanted in the monsoon. Broadcast rice is grown generally in lowlying areas and is sown before the monsoon as it must make a good start before the floods arrive. Deep water rice grows quickly and to a great height and are generally able to keep pace with the rise in water level.

For transplanted rice the soil is generally prepared after the arrival of the monsoon and is worked in a puddle before the seedlings are transplanted. The land is laid out into small areas with raised partitions to regulate the distribution of the water supply. The seedlings are planted in small bunches containing from 4 to 6 plants each and are simply dibbled into the mud at distances of 6 to 12 inches apart. Either by bunding to retain rainfall or by artificial irrigation, the details varying with locality, the rice fields are kept more or less under water until the crop shows signs of ripening. The area under improved varieties of rice distributed by the agricultural departments now exceeds 2,270,000 acres.

Wheat—Wheat is grown widely throughout Northern India as a winter crop, the United Provinces and the Punjab supplying about two thirds of the total area, and probably three-quarters of the total outturn in India. The majority of the varieties grown belong to the species *Triticum vulgare*. Indian wheats are generally white, red and amber coloured and are mostly classed as soft from a com-

mercial point of view. As even in local markets Indian wheat frequently contains appreciable quantities of other grains and even of extraneous matter due to the method of thrashing employed. Wheat for export is well cleaned and there has been great improvement in this respect of recent years. Most of the Indian wheats are soft wheat wheats but there are some well known Macaroni wheats among them. The largest wheat acreage of recent years is but the largest that of 1924 provisionally estimated at 34 million acres but it is not known if the yield will reach the record harvest of 1919 (which exceeded 100 million tons) recent crops have averaged 91 million tons per annum which is only slightly less than the annual requirement. Exports of wheat amounted to 107,000 tons in 1920-21 but have since been nominal Indian wheat having been quoted well above world prices. With the development of irrigation from the Flood Barrage Canal in Sind and in the newer Punjab Canal Colonies a further increase in wheat production is practically certain and an export market will again be of importance. The crop is generally grown after a summer fallow and, except in irrigated tracts, depends largely on the conservation of the soil moisture from the previous monsoon rains in January and February are generally beneficial but an excess of rainfall in these months usually produces rust with a diminution of the yield. On irrigated land 2 to 4 waterings are generally given. The crop is generally harvested in March and April and the threshing and winnowing go on up till the end of May. The total area under improved varieties of wheat is now reported to approximate to 5 millions of acres.

The Millets—These constitute one of the most important group of crops in the country, supplying food for the poorer classes and fodder for the cattle. The varieties vary greatly in quality, height and suitability to various climatic and soil conditions. Perhaps the two best known varieties are Jowar (*Sorghum vulgare*) the great millet, and Bajra the Bulrush millet (*Pennisetum typhoides*). Generally speaking the jowars require better land than the bajras and the distribution of the two crops follows the quality of the soil. Neither for jowar nor bajra is manure usually applied though Jowar responds handsomely to high manuring and cultivation is not so thorough as for wheat. The crop is generally sown in the beginning of the monsoon and so it requires to be thoroughly weeded and so it requires to be thoroughly weeded. It is often grown mixed with the summer pulses especially Arhar (*Cajanus indicus*—pigeon pea) and other crops. The subsidiary crops are harvested either before the millet is harvested or afterwards. In some provinces *rabai* jowar is also an important crop. The produce is consumed in the country.

Pulses—Pulses are commonly grown throughout India in great variety and form at once the backbone of the agriculture, since even the present moderate degree of soil fertility could not be maintained without leguminous rotations, and a primary necessity in the food of a vegetarian population. The yields on the

whole are fairly good, mixed cropping is common. The principal pulses are *Arhar* (*Cajanus indicus*), gram (*Cicer arictinum*), various species of *Phaseolus* and *Pisum*. Reference should be made to Groundnuts which though of modern introduction now forms an important leguminous oil seed crop in Madras and Bombay, and to a less extent in other provinces and an important article of export.

Exports groundnuts in 1933 amounted to 587,000 tons nearly treble prewar average. The total crop for season 1932-33 was estimated at 3,007,000 tons. That of the current year is forecasted as 3,235,000 tons.

Cotton—Is one of the most important commercial crops in India and despite the sharp fall both in quantity and values due to the trade depression raw cotton was second the in list of exports for 1932-33. Normally the cotton crop covers some 28 million acres with a yield of some $5\frac{1}{2}$ to 6 million bales. Recently as a result of low prices the area has contracted to $23\frac{1}{2}$ million acres in 1933-34 estimated to produce 4,633,000 in the fourth special forecast but the ginning returns to date indicate a crop $5\frac{1}{2}$ million bales. Indian mills now consume annually about 2,300,000 bales of Indian cotton and at present some 300,000 bales per annum of imported cotton (Egyptian, Sudan and African) of a staple longer than is produced in India. The principal export is of short staple cotton of $\frac{3}{8}$ staple but there is also in normal years an export of Indian medium $\frac{7}{8}$ to $1\frac{1}{16}$ staple cottons such as Punjab/American and Karunganni. The area under improved varieties of cotton is now estimated to be approximately million acres. There is no Indian cotton belt, Bombay, the Central Provinces, Hyderabad, Baroda, Madras, the Punjab and the United Provinces all have important cotton tracts producing distinct types. Sowing and harvesting seasons are equally diverse, the former extending from May to December in different parts of the country and the latter from October to May and June. Yields vary greatly in the best irrigated tracts the normal yield is about 200 lbs of ginned cotton per acre and yields much above these have been recorded whilst in the poorest unirrigated tracts 60 lbs per acre is a good crop. Of recent years, as the result of the work of the Agricultural Departments and the Indian Central Cotton Committee, the quality and yield of the staple cottons has improved and also the yield and cleanliness of the short-staple tracts.

The Cotton Transport Act, the Cotton Ginning and Pressing Factories Act the Bombay Cotton Markets Act the C P Cotton Markets Act and the Madras (commercial crops) Market Act have all been passed at the instance of the Committee and are doing much to check the abuse of adulteration and promote better marketing. Agricultural Departments have continued their campaign of cotton improvement and, apart from improvements in methods of cultivation.

Exports—The exports of raw cotton from India by sea to foreign countries for the last 5 fiscal years (ending March 31st) were as follows in thousands of bales of 400 lbs each) —

Countries	1928-29	1929-30	1930-31	1931-32	1932-33
United Kingdom	241	270	281	166	167
Other parts of the British Empire	7	7	6	6	7
Japan	1,610	1,640	1,686	1,080	1,035
Italy	384	393	362	183	150
France	204	53	232	81	124
China (exclusive of Hong Kong, etc.)	404	556	606	436	134
Belgium	347	341	217	121	123
Spain	76	80	106	45	52
Germany	324	344	309	166	152
Other countries	115	176	121	85	64

Total exports from the six principal ports (Bombay, Karachi, Madras, Tuticorin, Calcutta and Rangoon) for the cotton season ending August 31st, 1932, totalled 1,606,739 bales as compared to 3,728,265 bales in 1931 and 3,950,849 bales in 1930.

Sugarcane—India, until recently a large importer of sugar, is one of the most important sugarcane growing countries in the world, the area under the crop being above 3 million acres. The crop is mostly grown in the submontane tracts of Northern India. The indigenous hard, thin, low sucrose canes have now largely been replaced by seedling canes of high quality mainly the productions of the Imperial Sugarcane Breeding Station, Coimbatore. The latest actual returns show an area under improved varieties of cane of 1,064,000 acres in 1930-31 of which 6,78,000 acres was in the United Provinces. It is now believed that in Northern India about half the cane area is occupied with these seedlings and the effect of this advance is clear from the fact that though the area under sugarcane for 1932-33 is a record it only exceeds the 5 year average by 21 per cent (3,305,000 acres) but the yield (4,651,000 tons expressed as gur) is an increase of 55 per cent. With the grant of protection by the passing of the Sugar Industry Protection Act 1932 a definite incentive to the increase in sugar production by modern methods has been given and it is estimated that modern factories will produce some 676,000 tons in 1933-34. There has also been a considerable revival of the indigenous *Lhandsari* open pan process of sugar making. Imports of sugar from foreign countries for 1933-34 are estimated at some 300,000 tons as compared to 901,000 in 1930-31 the fall is partly due to lower purchasing power resulting from the fall in price of agricultural commodities, partly to the abundant supply of cheap gur and partly to increased Indian production of sugar. Sugar production has been stimulated in recent years by the protection given to sugar manufacture.

Oilseeds—The crops classified under the heading are chiefly sesamum, linseed and the cruciferous oilseeds (rape, mustard, etc.). Although oilseeds are subject to great fluctuation in price and the crops themselves are more or less precarious by nature—they cover an immense area.

Linseed requires a deep and moist soil and is thus grown chiefly in Bengal, Bihar, the United Provinces and the Central Provinces. The crop is grown for seed and not for fibre and the common varieties are of a much shorter habit of growth than those of Europe. The yield varies greatly from practically nothing up to 500 or 600 lbs of seed per acre. In 1932-33 this crop occupied 3,239,000 acres and yielded 403,000 tons. As recently as 1925-26 production was estimated at 501,000 tons and prior to 1911 the linseed area had reached 5 million acres with a yield of 630,000 tons. Indian linseed is of high quality and commands a premium in European markets.

Exports during 1933-34 have again reached the pre-war average being approximately 300,000 tons of which the United Kingdom took the largest share. This is largely the result of the 'Ottawa' Preference. Prices have improved and Indian linseed having re-established its dominant position in the English market an increase in production is expected.

Sesamum or (Gingelly) is grown mostly in Peninsular India as an autumn or winter crop. About 10 per cent of the production is exported and the rest consumed locally.

The Cruciferous Oilseeds form an important group of crops in Northern India where they grow freely and attain a fair state of development. The area under rate and Mustard, including an estimated figure for the area grown mixed with other is about 6½ to 7 million acres annually. Production in 1932-33, was estimated at 1,025,000 tons of which 115,000 tons were exported a marked improvement in the previous year though still below the average. Several species are grown and there are numerous local varieties. A large portion of the crop is crushed locally for domestic consumption.

Jute—Two varieties of the plant are cultivated as a crop, *Capsularis* and *Olitorius*. Jute growing is confined almost entirely to Bengal, Assam, Bihar and Orissa. The crop requires a rich moist soil. Owing to river inundation this part of India receives a considerable alluvial deposit every year and the land is thus able to sustain this exhausting crop without manure. The crop is rather delicate when young, but once established requires no attention, and grows to a great height (10 to 11 feet). Before ripening the crop is cut and retted in water. After about three weeks submersion the fibre is removed by washing and beating. The area under Jute in 1932 was estimated at 2,143,000 acres as compared to 1,862,000 in the previous year, the production was estimated at 7,097,000 bales as compared to 5,567,000 bales in 1931.

Exports in 1933-34 have shown a distinct recovery on both 1931-32 and 1932-33 but care is still necessary to avoid over-production. In 1930 the area under jute was estimated at 3,492,000 acres and the yield at 11,205,000 bales.

Tobacco is grown here and there all over the country chiefly, however, in Bengal, Bihar, Bombay, Madras and Burma. Of two varieties cultivated *Nicotiana Tabacum* is by far the most common. Maximum crops are obtained on

deep and moist alluvium soils and a high standard of cultivation including liberal manuring is necessary. The crop is only suited to small holdings where labour is plentiful as the attention necessary for its proper cultivation is very great. The seed is sown in seed bed, and the young plants are transplanted when a few inches high, great care being taken to shield them from the sun. The crop is very carefully weeded and hoed. It is topped after attaining a height of six, 2 ft., and all suckers are removed. The crop ripens from February onwards and is cut just before the leaves become brittle. The greater part of the tobacco grown in India is intended for *Hoolah* smoking and is coarse and heavy in flavour. Lighter kinds are also produced for cigar and cigarette manufacture. Of recent years there has been important development in the production, in commercial quantities, of better quality cigarette tobacco both in Madras and in Bihar. India exports about 20 million lbs of unmanufactured tobacco annually of which about 35 per cent goes to the United Kingdom. This trade though a small proportion of Indian production (which is estimated at 600,000 tons per annum from an area of 1.3 million acres) it is worth a crore of rupees annually even at present prices.

Livestock—The livestock population of British India consists mainly of about 23 million cattle, 31 million buffaloes, 25 million sheep, 15 million goats and 3 million horses, mules and donkeys, and in the 51 Indian States for which figures are available, there are 113 million cattle and buffaloes, 28 million sheep and goats, 1 million horses, mules and donkeys and half a million camels. For draught purposes cattle are mainly used everywhere though the buffalo are important as draught animals in the rice tracts and damper parts of the country. Horses and mules are practically never used for agricultural purposes, for dairy purposes, the buffalo is important, the milk yield being high and the percentage of butter fat considerably above that in cow's milk. The best known breeds are the Murrah buffaloes of the Punjab, the Jafferbadi buffaloes of Kathiawar, and the Surti buffaloes of the Bombay Presidency. The cattle and buffalo population in India is abnormally high amounting to over 60 per cent of the human population. The spread of cultivation has diminished the grazing grounds, insufficient fodder crops are raised and many of the cattle are small, ill fed and inefficient. Nevertheless the best Indian breeds have many merits. Of the draught types the best known breeds are the Hissar Nellore, Amrit Mahal, Gujrat (Kankrej), Kangayam, Kherigarh and Malvi the Sahiwal (Punjab), Gir (Kathiawar), Scindi and Hansi are amongst the best milking breeds. On the Government cattle-breeding farms pedigree herds are being built up and from these selected bulls are issued, preference being given to special breeding areas, to villages which undertake to exclude 'scrub' bulls and where serious efforts to maintain a good strain of cow are made. Once established such breeding areas rapidly produce a supply of superior bulls for general distribution and in this way the valuable bulls from Government herds are used to advantage. The premium bull system is also working well in some tracts.

Cattle improvement is a slow process at the best and though a start on sound lines has been made in all provinces, continued efforts and persistent endeavour is essential. There is no branch of agricultural improvement where the land owners of India could render greater service.

Dairying—Though little noticed hitherto dairying forms a very important indigenous industry throughout India. The annual cash value of dairy products has recently been estimated at over 800 crores of rupees and the importance of milk and dairy products to the health and development of the people cannot be overestimated. Apart from liquid milk the best known products are native butter (ghee) and cheese (dahi). During recent years a considerable trade in tinned butter has sprung up and there seems to be no reason why an important industry should not be built up in other dairy products, such as milk-powder, condensed milk and casein. Pure ghee and milk can usually be procured in the villages but in towns dairy products can scarcely be bought unadulterated.

Government of India maintain an Institute of Animal Husbandry and Dairying at Bangalore where students are given 2 year courses for the Indian Dairy Diploma but little provision has hitherto been made for the extensive industrial research into the handling and processing of milk and dairy products under Indian conditions, which is essential for the development of dairying as a village industry. This matter is now receiving the attention of the Imperial Council of Agricultural Research.

Reference is made, use where to the principal grants made by the Council for the promotion of Veterinary Science and improvement of animal husbandry.

It is sufficient here to say that there is a growing recognition of the fact that as India's economic development proceeds a better balance between crop production and animal industry is needed and that the raising of crops for the feeding of dairy stock, instead of for sale as such, will be of increasing importance.

AGRICULTURAL PROGRESS.

Agricultural Progress—The historical aspect of agricultural development in India has recently been fully dealt with in the report of the Lunithgow Commission. The Famine Commission as long ago as 1866 made the first proposal for a separate Department of Agriculture but little resulted except the collection of agricultural statistics and other data with the object of throwing light on famine problems. The Famine Commission of 1880 by their masterly review of the possibilities of agricultural development revived interest in the matter and their proposal for a new Department for Agriculture and allied subjects in the Government of India and for provincial departments of agriculture bore fruit eventually. Dr J. A. Voelker, Consulting Chemist to the Royal Agricultural Society, was invited to visit India and his book "Improvement of Indian Agriculture" is still a valuable reference book. In 1892 an agricultural chemist to the Government of India was appointed. Provincial Departments mainly concerned themselves at first with agricultural statistics but experimental farms were opened at Sadapet in 1871, Poona in 1880, Cawnpore in 1881 and Nagpur in 1883, there were various sporadic attempts at agricultural improvement but no real beginning was made until technical agricultural officers were appointed. Of these the earliest were Mollison in Bombay (subsequently Inspector General of Agriculture), Barber and Benson in Madras, Hayman in the United Provinces and Milligan in the Punjab. In 1901, the first Inspector General of Agriculture was appointed and in the same year an Imperial Mycologist was added followed by an Imperial Entomologist in 1903. The present departments of agriculture, however, owe their existence to the foresight and energy of Lord

Curzon whose famous despatch of 1903 marked the commencement of the reorganisation which took place in 1905. That scheme provided for a central research institute at Pusa, completely staffed provincial departments of agriculture with agricultural colleges and provincial research institutes and an experimental farm in each important agricultural tract. To the establishment of the Imperial Agricultural Research Institute at Pusa Lord Curzon devoted the greater part of a generous donation of £30,000 given by Mr Henry Phipps of Chicago to be applied to some object of public utility, preferably connected with scientific research. The Indian Agricultural Service was constituted in 1906. Since that date progress has been steady and continuous. With the advent of the reforms of 1919, agriculture became a provincial transferred subject but the Government of India retained responsibility for central research institutions and for certain matters connected with the diseases and pests of plants and animals. The addition of the Imperial Institute of Animal Husbandry and Dairying (with a branch farm at Wellington), the Imperial Cattlebreeding Farm at Karnal and the Anand Creamery enabled livestock work to be carried out on a scale not possible at Pusa. The Imperial Sugarcane-breeding station at Coimbatore is yet another branch of the Imperial Agricultural Research Institute. Provincial Governments have steadily developed and strengthened their agricultural departments. The total net expenditure of provincial agricultural departments now exceeds 105 lakhs rupees annually, the net annual expenditure on the Imperial Department of Agriculture is in the neighbourhood of 11 lakhs.

Parallel developments took place in the provision made for matters connected with animal health. The now world-famous Imperial Institute of Veterinary Research at Muktesar started in 1893 as a modest hill laboratory for research on rinderpest. It is now a fully equipped research institute which also manufactures protective sera and vaccines of which some 6 million doses are issued annually. The Civil Veterinary Department was formed in 1891 and until 1912 was under the control of the Inspector General. The departments were completely provincialised in 1919, the Government of India continuing to finance and control the Muktesar Research Institute and its branch station at Izatnagar (Bareilly).

Recent Progress—As now constituted, the Agricultural Departments include a complete organisation for bringing the results of the application of science to agriculture into the village. At one end of the scale are the agricultural colleges and research institutes—at the other thousands of village demonstration plots where the issue of improved seed, methods, implements and manures is shown under the cultivators' own conditions. Intermediate links in the chain are the experimental farms, where scientific research is translated into field practice, demonstration and seed farms and seed stores. The ascertained results of the work of the agricultural department are striking enough. More than 13 million acres are known to be under improved crops—the further area due to natural

spread is indeterminable. Improved methods of cultivation and manuring are steadily spreading, work is in progress on most of the major crops and each year brings new triumphs. The present position has been authoritatively reviewed by the Royal Commission on Agriculture which reported in 1928. Recognising how much has already been done in the 20 years since the agricultural departments were created, the Commission also emphasised the enormous field for future work to which all witnesses had drawn their attention. The agricultural departments having shown that the application of science to Indian agriculture is a practical proposition and further that the individual cultivator can be reached and his methods improved, the problem is now to develop and intensify such work so that a general advance in agricultural practice will result. At no time has there been a greater need for co-ordinated effort directed towards the solution of agricultural problems. Only by increased efficiency can in India meet the situation caused by low prices for all agricultural commodities and the intense competition in world markets arising from production in excess of effective demand.

The Government of India has recently provided the Imperial Council of Agriculture Research with funds for the formation of an Agricultural Marketing Branch and for the appointment of an Expert Adviser in Marketing who will advise and collaborate with the Provincial officers which are being appointed in several provinces.

THE IMPERIAL COUNCIL OF AGRICULTURAL RESEARCH.

In Chapter III of their Report, the Royal Commission on Agriculture stated that the most important problem with which they had been confronted was that of devising some method of infusing a different spirit into the whole organisation of agricultural research in India and of bringing about the realisation on the part of research workers in this country that they are working to an end which cannot be reached unless they regard themselves as partners in a common enterprise. They had found not only a lack of sufficiently close touch between the Pusa Research Institute and the provincial agricultural departments but also between the provincial departments themselves. After describing the way in which similar difficulties had been overcome in Canada, the United States and Australia and dismissing as inadequate the constitution of crop committees on the model of the Indian Central Cotton Committee or the constitution of a quasi-independent governing body for Pusa on which the provincial agricultural departments and non-official interests would be represented, the Commission proposed the establishment of an **Imperial Council of Agricultural Research**.

The primary function of the Council would be to promote, guide and co-ordinate agricultural, including veterinary, research in India and to link it with agricultural research in other parts of the British Empire and in foreign countries. It would make arrangements for the training of research workers, would act as a clearing house of information in regard not only to research but also to agricultural and

veterinary matters generally and would take over the publication work at present carried out by the Imperial Agricultural Department. The Commission proposed that the Council should be entrusted with the administration of a non-lapsing fund of Rs 50 lakhs to which additions should be made from time to time as financial conditions permit. Its Chairman should be an experienced administrator with a knowledge, if possible, of Indian conditions and, in addition, there should be two other whole time members of the Council for agriculture and animal husbandry respectively. The Commission suggested that the Council should consist of thirty-six members, in addition to the Chairman and the two whole time members. Of these, eight would be nominated by the Government of India, eighteen would represent the provincial, agricultural and veterinary departments, three would represent the Indian Universities, two would represent the Indian Central Cotton Committee and the planting community respectively and five would be nominated by the Council for the approval of the Government of India. The Council would largely work through a Standing Finance Committee and sub-committees. A provincial committee should be established in each major province to work in close co-operation with it. The advisory duties of the Agricultural Adviser to the Government of India would be taken over by the Chairman and whole time members of the Research Council, his administrative duties being taken over by a whole time Director of the Pusa Institute.

Advisers Mr B C Burt, CIE, MBE, IAS, Colonel A Oliver, CB, CMG, FRCVS, and the Secretary—Rai Sahib Malik Charan Das, ISS

The Advisory Board consists of the Vice-Chairman, the Expert Advisers, the Heads of the Agricultural Departments in the Provinces, the Heads of the Agricultural and/or Veterinary Departments in the contributing States, the Chief Agricultural Officer, Sind, the Directors, Imperial Institute of Agricultural Research, Pusa, Imperial Institute of Veterinary Research, Muktesar, and Indian Institute of Science, Bangalore, the Director of Veterinary Services in India, and the Chief Publicity Officer, Indian States Railways as *ex officio* members together with the following nominated or elected members—

Representatives of the Provincial Veterinary Departments—Mr P T Saunders, nominated by the Government of Madras, Mr E S Farbrother, nominated by the Government of Bombay, Mr P J Kerr, nominated by the Government of Bengal, Khan Bahadur Sheikh Niaz Muhammad Khan, nominated by the Government of the U P, Mr T F Quirke, nominated by the Government of the Punjab, Mr D T Mitchell, nominated by the Government of Burma, Major P B Riley, nominated by the Government of B & O, Major R F Stirling, nominated by the Government of C P.—Mr Guru Prasanna Sen, nominated by the Government of Assam, Mr S I A Shah, nominated by the Government of N W P F

Representatives of the Inter-University Board—Dr J C Ghosh, Head of the Department of Chemistry, Dacca University, Dr T Ekambaram, Professor, Presidency College, Madras, Mr C T Mudaliyar, Retired Principal, Agricultural College, Coimbatore, Dr L K Hyder, Member, Public Service Commission, (India)

Representative of the Indian Tea Association and of the Southern India Planters' Association—Mr P H Carpenter

Representative of the Indian Central Cotton Committee—Rao Bahadur Bhumbhai R Naik

Representative of the Co operative movement—Dewan Bahadur T Raghaviah, CSI

Representative of minor administrations under the Government of India—Mr A M Mustafa, Agricultural Officer, Baluchistan

Representative of the Forest Research Institute, Dehra Dun—Mr C G Trevor, CIE, IFS, Offg Inspector General of Forests

Indian Research Fund
J H Russell, Public the Govt of India

Members appointed by the Governor General in Council—Mr Mohd Azhar Ali, M L A, Dr Nazir Ahmad, Director of Technological Laboratory, Matunga, Mr G K Devadhar, CIE, and Dr S S Nehru, Ph D, ICS

The work of the Council—It is an important feature of the Research Councils constitution that it stands in the same relation to all research institutions whether central or provincial (or State), and whether official or unofficial. Though certain of its activities

are administered direct the Council permanent research institute of its own normal method of promoting agricultural veterinary research is by means of grants to existing institutions. Proper research come up for consideration in two. Under the first applications for grants to provincial institutions including the universities are made by Local or State Government usually on the advice of the Provincial Agricultural Research Committees. The whether or not a particular scheme without modification should receive depends largely on the extent to which general importance and on the extent to which the proposals can be co-ordinated with work already in progress. The second is a natural corollary to the one just described. The Council through its Advisory and Committees reviews the progress and of work in agricultural and veterinary and frames schemes for the filling of which this process is continuous and is further by the recommendations of the Board. culture in India and its Committees. At the following standing committees Council are at work. The Sugar Con the Fertilisers Committee, the Locust Con the Oil Crushing Industry Committee Joint Committee of the Imperial Council Agricultural Research and the Indian Cotton Committee, Animal Nutrition Con Dairying Committee and the Cattle I Committee. Sub Committees of the A Board to deal with the detailed special projects are set up from time to time as required.

A valuable feature of the Council's constitution is its elasticity and for that reason certain definite principles laid down. Governing Body are followed in regard expenditure on research rigid rules have avoided. Actually the schemes financed Council fall into the following classes—

(i) Special all-India schemes of research which call for a special central but not necessarily permanent organisation and which are administered direct by the Council, e.g., Technology and Locust Research, Agricultural Marketing and Statistical aspect of Field Experiments and Animal Husbandry

(ii) Scheme of research requiring temporary expansion of the work of a central research institute, e.g., the two sub stations at Dehra Dun for cane-breeding and economic Botany the Imperial Sugarcane expert and the Imperial Botanist respectively)

(iii) Co-ordinated schemes of research in several provinces where grants in aid are for work to be carried out provincially under of a general scheme. Examples are in—

(a) The Rice research scheme in Madras, Bengal, U P, Burma, B & O and Assam

(b) The Sugarcane testing station at (U P, Punjab, B & O, Bombay, Bengal, A all collaborating with the Coimbatore breeding station)

(c) Fruit Research

(d) Dry Farming Research, (Bombay, Madras and Hyderabad)

(ii) Research schemes carried out by arrangement in one province or State on a problem of all-India importance or affecting several provinces

As examples of this may be mentioned — The experimental and demonstration sugar factory and training scheme in sugar technology at the Harcourt Butler Technological Institute, Cawnpore, U P, the Bombay Fruit-Storage and

Transport scheme, the Madras Potato Breeding scheme

Grants to Universities to enable research workers on the University staff to expand existing research of agricultural importance or to develop the agricultural aspect of their own research. The following statement shows the schemes received from Universities or Colleges in India and approved by the Council up to the end of 1933 —

Statements showing schemes of Agricultural and Veterinary Research received from the Universities or Colleges in India and sanctioned by the Council up to December 1932

Name of University	Schemes	Amount sanctioned
		Rs
Dacca	Research work on soils and the nutrition of the rice plants by Dr I C Ghosh	34,080
Dacca	Investigation of the organic constituents of Indian soils by Prof I C Ghosh	11,200
Calcutta	Research into properties of colloid soil constituents by Dr I N Mukherjee	14,100
Calcutta	For statistical investigation on experimental errors in field trials by Prof P C Mahalanobis	11,500
Punjab	Investigation on the "wither-tip" of citrus trees by Dr H C Chaudhuri	12,600
Punjab	Investigation on the relation between Physico chemical properties and fertility of soils by Dr S S Bhatnagar	8,300
Punjab	Research on the standardisation of Physico chemical single value measurements most suitable for Indian soils by Dr A N Puri	13,500
Punjab	Research on the effect of ions on plant growth by Dr S S Bhatnagar	6,000
Punjab	Investigation of an electric method of Hygrometry by Prof J B Seth for 2 years	3,600
Madras	Research in the cytological study of Indian crop plants	25,830
Ravenshaw College, Cuttack	Research on water Hyacinth by Prof Parija of Ravenshaw College, Cuttack	9,646
Agra College	Research work on cereal rusts by Dr Mehta of Agra College	1,03,100
Agra College	Research work on investigation on Physiologic forms of wheat rusts by Dr Mehta of Agra College	3,000
Royal Institute of Science, Bombay	Research work on the Physiology of rice plant of Prof R H Dastur	10,800
Indian Institute of Science, Bangalore	(i) Scheme for the preparation of cheap synthetic manure from town refuse and waste materials	4,950
	(ii) Scheme for the extension of sewage farm investigation with special reference to Papaya and Plantain cultivation	18,340
	(iii) Scheme for the extension of work on "quality" in crops	5,400
Vishwa Bharati* Institute of Rural Reconstruction, Sriraketan	Development of methodology in rural research	18,750
School of * Tropical Medicine, Calcutta	Research in systematic collection of medicinal plants and study of food poisons in India by Col Chopra	62,860
Allahabad* Agricultural Institute	Research on the composition of milk by Dr Sam Higginbottom	8,600

* Funds not yet allotted for these schemes

Statement showing fresh schemes of Agricultural and Veterinary Research received from Universities or Colleges in India and approved by the Imperial Council of Agricultural Research during 1933

Name of University	Scheme	Amount
		Rs
Calcutta*	Scheme for statistical studies relating to Agricultural work in India by Prof P C Mahalanobis for five years	10,000
Punjab	Research work on the effects of ions on the growth of plants by Dr S S Bhutnagar for 6 months	900
Punjab*	Investigations on the relations of Physico chemical factors to the fertility of soils by Dr S S Bhutnagar for seven months	2,420
Punjab*	Investigation of the wither tip of citrus trees by Dr H C Chaudhuri for 1 months	2,200
Lucknow*	Inquiry into the Helminthiasis of cattle, sheep and goats in the United Provinces by Prof G C Chapar for 5 years	25,460
Indian Institute of Science, Bangalore *	Study of the composition and nutritive value of milk of the cow, buffalo and goat for three years	50,558

* Funds not yet allotted for these schemes

The principal whole time research officers employed under the Council are — Entomologist at Locust Sub Station—Dr K R Karandikar, Panni

Expert Adviser Agricultural Marketing—Mr A M Livingston (I C A R Headquarters) Agricultural Statistician—Mr M Vaidyanathan (I C A R Headquarters)

Sugar Technologist—Mr R C Srivastava, M Sc, Harcourt Butler Technological Institute, Cawnpore Chief Economist—Mr R D Kapoor (I C A R Headquarters)

Locust Research Entomologist—Rao Sahib Y Ramchandra Rao, Karachi The following research schemes have been sanctioned by the Governing Body of the Imperial Council of Agricultural Research

STATEMENT A —SCHEMES TO WHICH THE IMPERIAL COUNCIL OF AGRICULTURAL RESEARCH IS ALREADY COMMITTED

PART I SUGAR SCHEMES —(a) Research Schemes

Serial No	Description of scheme	Sanctioned grant	Expenditure to end of 1933-34	Balance to be spent	REMARKS
1	Construction and testing of improved juice boiling bel	Rs 4,000	Rs 3,906	Rs 14	
2	Lump sum grant to Shahjahanpur Research Station for a detailed examination of new seedling cane	6,000	6,000		
3	Lump sum grants of Rs 8,000 each to United Provinces, Bihar and Orissa and Punjab Governments for experiments in designing of a satisfactory small power sugarcane crushing mill. A further grant of Rs 5,000 sanctioned for the Punjab	29,000 (24,000 Rs 5,000 extra grant to the Punjab)	29,000		
4	Bombay Deccan Sugarcane Research Scheme	5,22,000 (from 1931-32 to 1935-36)	1,80,468	3,41,532	
5	Grant to Harcourt Butler Technological Institute, Cawnpore	2,25,000 (from 1930-31 to 1934-35)	1,65,000	60,000	

PART I SUGAR SCHEMES —(a) Research Schemes

Serial No	Description of Scheme	Sanctioned grant	Expenditure upto end of 1933 34	Balance to be spent	REMARKS
		Rs	Rs	Rs	
6	Scheme for the establishment of a Sugarcane Research Station in Bihar and Orissa and for the appointment of a Sugarcane Specialist	*1,92,800 (from 1931 32 to 1936 37)	1,09,978	82,822	* Round figure only
7	Scheme for the establishment of a Sub-Station of the Coimbatore Imperial Sugarcane Station at Karnal	82,000 (from 1931-32 to 1935 36)	43,970	38,030	
8	Scheme submitted by the Imperial Mycologist, Pusa, for research on "Mosaic" and other Cane diseases at Pusa	85,000 from 1932-33 to 1934 35)	38,997	26,003	
9	Bengal Scheme for Sugarcane Crushing and Gur Boiling	5,700 (from 1930 31 to 1932 33)	5,652	48	
10	Sugarcane Seedling Testing Station at Dacca	13,100 (from 1931 32 to 1935 36)	6,411	6,689	
11	Grant to the Mysore Durbar for breeding of thick canes	21,000 (from 1933 34)	5,900	15,100	
12	Economic enquiry into the cost of production of crops in the principal Sugar cane and cotton tracts in India	4,43,200 (from 1932 33 to 1935 36)	1,27,500	3,15,700	Half the expenditure to be borne by the Indian Central Cotton Committee
13	Research on the genetics of Sugarcane at the Imperial cane breeding stations, Coimbatore	12,333 (5 years)	7,400	29,600	
14	Research on Sugarcane in the Madras Presidency	1,50,100 (5 years)	41,500	1,08,600	
15	Establishment of a Sugarcane research station in the Punjab	1,33,000 (5 years)	30,000	1,03,000	
16	Investigation into various problems of sugar industry in the United Provinces	1,01,300 (5 years)	33,000	68,300	
17	Establishment of a Research and Testing Station for the indigenous system of gur and sugar manufacture by the Sugar Technologist to the Council	1,67,400 (5 years)	67,000	1,00,400	
18	Extension of Sugarcane work at the Torhat Experimental Station, Assam	48,000	21,200	26,800	
19	Inquiry into the production of khandsara sugar in the United Provinces	2,000	3,000		
Grand Total		22 48 600	9 26 962	13 22,6	

Serrial No	Description of scheme	Sanctioned grant	Expenditure to end of 1933-34	Balance to be spent	REMARKS
1	2	3	4	5	6
		Rs	Rs	Rs	
7	Professor Dastur's scheme " Rice-Physiology	10,800	7,565	3,235	
8	(i) Dr Chaudhri's Scheme " With- ther tip of Citrus trees "	11,600	9,760	1,840	
	(ii) Extension of (i)	2,000	2,000		
9	Establishment of a new branch of Agricultural Meteorology under the Indian Meteorological De- partment, Poona	56,000	29,650	26,350	
10	Appointment of a Physical Assis- tant on the staff of Agricultural Chemist, Bengal	22,600	8,473	14,127	
11*	Co-ordinated scheme of Rice- Research in Provinces	10,70,000	3,58,465	7,11,535	*Out of this the con- tribution from the Empire Marketing Board is Rs. 1,70,000 (revised)
12	Award of a prize for a bone crusher worked by— (a) Animal power (b) Mechanical power	} 5,000	5,000		
13	Exhibits for World's Grain Exhibition and Conference				
14	Special Locust Research staff	} 9,173 3,54,600	9,173 2,76,600	78,000	
15	Grant to Punjab Government for Locust Research				
16	Experimental consignment of mangoes to the Empire Market- ing Board	12,860	7,200	5,660	
17	Research work on potatoes in Madras	9,520 20,000	9,100 3,000	420 17,000	
18	Provincial scheme of fruit research Bombay Cold Storage fruit scheme	90,200	53,400	36,800	
19	Horticultural schemes in the Provinces of Madras, Bengal, Punjab, United Provinces, Bihar and Orissa	3,84,900	1,12,300	2,72,600	
20	Dry-farming research schemes in the Bombay-Deccan Hydera- bad, Madras and the Punjab	5,42,000	48,000	4,94,000	
21	Improvement of Castor crop in India by H E H the Nizam's Government	61,050		61,050	
22	Grant to the Burma Shell Oil Storage and Distributing Co., Bombay	7,000	7,000		
23	Grant to the United Provinces Government for investigation into the malting and brewing tests of improved barley	4,650	4,650		
24	Grant to the Punjab Government for investigation into the malt- ing and brewing qualities of Punjab barley	4,800	4,800		
25	Grant to the Bihar and Orissa Government for investigating in the malting and brewing qualities of Bihar barley	4,000	4,000		
	Total Agricultural Schemes	29,59,973	11,47,096	18,06,877	

Serial No	Description of Scheme	Sanctioned grant	Expenditure upto end of 1933-34	Balance to be spent	REMARKS
	<i>Animal Husbandry Schemes</i>	Rs	Rs	Pcs	
1	Dr A Shters scheme of Goat Breeding	32 000	20 5 17	11,463	
2	Appointment of a physical chemist to study animal nutrition at Dacca	48 600	18 7 50	29 8 50	
3	Appointment of Veterinary Investigation officers in Provinces	5 00 000	1 12 4 15	1 87,565	
4	Research at the Anand Creamery in the manufacture of products and by products of milk	1 10 700		1 10 700	
5	Investigation into the most suitable and economic methods of combating different types of parasitic infection in ruminants in the fields, etc	20 100	7,500	12 600	
6	Appointment of a protozoologist	36,000		36 000	
	Total Animal Husbandry Schemes	7,17,400	1,50 222	5,88,178	
	GRAND TOTAL	37,01,373	13,06 318	23,95,055	

STATEMENT A
PART II^c

General Schemes other than Sugar

(b) *Statement showing the annual cost of establishments employed directly under the Council*

Serial No	Description	Sanctioned Annual Grant	REMARKS
		Rs p p	
1	Fertilizer s Committee	1,500 0 0	Funds are provided from year to year
2	Locust Committee	3,000 0 0	
3	Locust Bureau	1,800 0 0	
4	Oil Seed Crushing Industry Committee	8,000 0 0	
5	Statistical Section of the Bureau of Agricultural Intelligence	13,000 0 0	
6	Appointment of a statistician for the compilation of certain statistics relating to feeding series, etc, in Military Dairies	5,000 0 0	
7	Editorial Committee	1,000 0 0	
8	Sub Section of the Imperial Agricultural Bureau*	2,700 0 0	
9	Accounts and Audit	9,000 0 0	
	Total	38,600 0 0	

STATEMENT A

STATEMENT NO A—PART II

General Schemes other than Sugar

(c) Statement showing the annual cost of fixed Contributions to Imperial and International Institutions

Serial No	Description	Sanctioned Annual Grant	REMARKS
1	International des Epizootics, Paris	Rs 1,200 0 0	Sanctioned for the year 1934 35 only
2	Imperial Institute of Mycology, London	£ 600 0 0 or Rs 8,000 0 0	Sanctioned for the year 1934 35 only
3	International Institute of Agriculture, Rome	Rs 12,000 0 0	Sanctioned for the year 1934 35 only
4	Imperial Agricultural Bureau	Rs 29,167 0 0 £ 2,187 10 0	Sanctioned for the year 1934 35 only
5	Imperial Institute of Entomology, London	Rs 1,300 0 0	Sanctioned for the year 1934-35 only
6	Tobacco Federation of the British Empire	Rs 133 0 0 £ 10 0 0	Sanctioned for five years with effect from 1934 35
	Total	Rs 51,800 0 0	

STATEMENT A

PART II Schemes other than Sugar

(d) Statement showing the amount required to meet the travelling allowance of Non Official members attending meetings of the Imperial Council of Agricultural Research and of Visitors invited to the meetings

Description	Sanctioned Annual Grant	REMARKS
Travelling Allowance of Visitors for attending meetings of the Advisory Board and Committees of the Council	Rs a p 2,000 0 0	Travelling Allowance of Visitors if invited at the initiative of the Vice-Chairman, Imperial Council of Agricultural Research, is paid from the funds of the Council but is invited at the initiative of a local Government is payable from the Provincial Budget
Travelling Allowance of Non Official members of the Council	5,000 0 0	Travelling Allowance of Official members is met by their respective Governments
Total	7,000 0 0	

Serial No	Description	Cost No	Serial	Description	Cost
		Rs			Rs
18	Research in the cytological study of Indian crop plants (5 years)	25,830	30	Dr Puri's scheme for work on the standardization of Physico chemical single value measurements most suitable for Indian soils (5 years)	13,500
19	Mysore Investigation of Indian Fish poisons	15,288			
20	Grant to the Government of Mysore for investigating into John's disease among animals	24,400	31	Grant to Dr Thapar for investigation into Helminthiasis of cattle, sheep, etc	19,790
21	Scheme for the investigation of Tuberculosis and John's disease among animals	2,00,000	32	Grant to the Government of Madras for research on rural pisciculture	47,660
22	Grant to the Government of Madras for research in oil seeds in Madras	57,100	33	Grant to the Bihar and Orissa Government for research on the economics of irrigation from tube-wells	73,680
23	Scheme for conducting research in Warble Flies at the Muktesar Institute	32,400	34	Grant to the Government of Assam for a scheme of cattle nutrition	69,788
24	Grant to the Government of the United Provinces for research on Sunn Hemp	34,266	35	Punjab Government scheme for the installation of wheat milling and baking laboratory at Ludhiana	22,300
25	Animal Nutrition Research Scheme, Bangalore —		36	Study of the composition and nutritive value of milk of the cow, buffalo and goat	50,588
	(a) Value of oil cakes and oil seeds for working bullocks	45,490	37	Research into the indigenous drugs of India with special reference to their toxicology	73,080
	(b) Extension of laboratory facilities	23,100			
26	Extension of sewage farm investigations with special reference to Papaya and Plantain cultivation (3 years)	18,340	38	Scheme for the development of methodology in rural research by the Viswa Bharati Institute of Rural Reconstruction, Grimketan (3 years)	18,750
27	Scheme by Dr P E Lander for determining the feeding values of certain food grains, oil seeds and oil-cakes for working bullocks and dairy cattle	38,570	39	Grant to the Government of Bombay for a scheme of poultry breeding research in Western India	13,045
28	Statistical basis of the estimates of production of crops in India	5,000		Total	16,93,006
29	Feeding values of oil seeds, cakes and other concentrates to milch animals	46,530		Sugar Scheme	75,450
				Grand Total	17,68,456

STATEMENT C.

STATEMENT SHOWING COST OF EXPIRED SCHEMES

<i>Sugar Schemes</i>		Rs	<i>Animal Husbandry Schemes</i>		Rs
1	Lump sum grant to Shahjahanpur Research Station for a detailed examination of new seedling cane	6,000	1	Testing of Drug Plasmoquine	523
2	Deputation of a chemist to Bhopal to test K B Haddis' process of manufacturing Sugar by open pan method	1,080	2	All India Legislation for the control of animal disease	415
3	K B Haddis' Commercial Test of Bilaru under Lal Har Sahai Gupta	12,920		Total Rs	938
4	Deputation of the Sugar Technologist to Europe and America	12,666		(I)	
	Total	32,666 or 32,700		<i>Contributions, etc</i>	
	<i>Agricultural Schemes</i>		1	Contribution to Royal Veterinary College, London	1,009
1	Grant to Dr K C Mehta for —			(II)	
(a)	Investigation of rusts of wheat and barley	41,432		<i>Deputation of India's Representatives at International Conferences</i>	
(b)	Investigation into the Physiologic forms of wheat rusts	4,008	1	Deputation of Dr K C Mehta and others to the International Botanical Congress at Cambridge in 1930	2,432
(c)	Giving some relief from a part of his duties at college	4,182	2	Expenditure on the Third Entomological Conference in London in 1930	741
2	Hemp marketing officer	13,864	3	Expenditure on the International Veterinary Conference in London in 1930	525
3	Investigation into the vitamin contents of mangoes by Dr Zilva	1,015	4	Expenditure on the Conference of workers interested in problems of fruit production within the Empire held in London in 1930	193
4	"Water Hyacinth" by Professor Parjya	9,646	5	Indian Delegation to the International Institute of Agriculture, Rome	5,159
5	Standardisation of Physico-Chemical single value measurements most suitable for Indian Soils by Dr A N Puri	5,250	6	India's representation at the Ninth International Dairy Congress, Copenhagen, 1931	3,372
6	Grants to Provinces for collecting data on manurial experiments conducted in the past	17,329	7	Cost of India's representation at the Preparatory Conference to the Second World Wheat Conference, Rome	857
7	Distribution of Sodium Fluosilicate to Indian States	1,757	8	Cost of India's representatives at the Soil Workers Conference held in London in 1930	163
8	Cost of exhibits in connection with commercial samples room of the High Commissioners office	516		Total Rs	13,542
		98,999 or 909,000		(III)	
				<i>General Schemes</i>	
			1	Honorarium to Dr Agharkar	750
			2	Honorarium to Mr Amar Nath	500
				Total	1,250
				(IV)	
				Grand Total of (I), (II), (III) and (IV)	16,639
				Sugar Schemes	32,700
				Agricultural Schemes	99,000
				Animal Husbandry and General Schemes	16,639
				Grand Total	1,48,339

AREA UNDER IRRIGATION IN 1931-32 IN EACH PROVINCE.

Provinces	AREA IRRIGATED					
	By Canals		By Tanks	By Wells	Other Sources	Total Area irrigated
	Government	Private				
	Acres	Acres	Acres	Acres	Acres	Acres
Ajmer-Merwara			39,350	100,531		139,881
Assam	145	324,910	1,331	3	204,469	620,918
Bengal	63,644	206,757	733,288	230,039	472,171	1,706,202
Bihar and Orissa	844,356	928,090	1,602,083	564,310	1,241,508	5,180,356
Bombay	3,168,108	80,231	133,458	646,348	228,407	4,265,555
Burma	613,195	247,907	102,918	19,086	335,512	1,408,618
Central Provinces & Berar	*	799,642	*	134,511	44,267	975,420
Coorg	2,212		1,379			3,591
Delhi	30,512		1,171	20,261		51,944
Madras	3,730,390	147,326	3,449,643	1,340,612	536,092	9,204,063
North West Frontier Province	385,877	410,520		85,900	87,963	970,260
Punjab	9,929,217	40,709	33,229	3,766,667	130,904	14,267,056
United Provinces	2,849,341	38,695	58,961	4,745,025	4,378,990	10,071,012
Total	21,616,997	3,600,150	6,246,811	11,653,323	5,747,876	48,864,876

* Included under "Private canals"

Provinces	CROPS IRRIGATED *				
	Rice	Wheat	Barley	Jowar or Cholum (great millet)	Bajra or Cumbu (spiked millet)
	Acres	Acres	Acres	Acres	Acres
Ajmer Merwara	43	19,505	41,903	157	292
Assam	604,656				
Bengal	1,507,897	16,398	4,687	10	70
Bihar and Orissa	3,488,584	254,437	130,838	3,040	1,486
Bombay	1,409,544	599,245	20,049	654,715	478,763
Burma	1,349,174	83		131	
Central Provinces & Berar	811,522	53,455	1,784	335	
Coorg	3,591				
Delhi	30	22,905	2,445	636	210
Madras	8,261,907	2,764	2	446,900	311,226
North West Frontier Province	41,369	329,640	60,517	24,565	8,327
Punjab	651,477	4,916,800	196,858	211,074	335,500
United Provinces	453,372	3,751,494	1,902,993	45,697	3,328
Tatol	18,583,166	9,966,730	2,362,076	1,387,260	1,139,202

* Includes area irrigated at both harvests

Provinces-	CROPS IRRIGATED*						
	Maize	Other cereals and pulse	Sugarcane	Other food crop	Cotton	Other non food crops	TOTAL
	Acre	Acres	Acres	Acres	Acres	Acres	Acres
Ajmer Merwara	28,951	26,714	57	11,226	22,858	1,101	155,791
Assam		21		7,670		8,550	629,918
Bengal	1,084	12,178	15,872	141,122	1,865	152,997	1,899,880
Bihar and Orissa	65,690	886,137	115,512	10,281	1,087	112,486	5,251,918
Bombay	36,869	160,666	67,073	229,020	287,138	391,320	4,637,302
Burma	803	17,182	1,776	66,011	29	11,022	1,446,511
Central Provinces and Berar	319	3,832	20,044	74,358	95	9,678	975,420
Coorg							3,501
Delhi	781	3,826	3,198	5,662	3,454	8,705	51,914
Madras	2,825	1,083,369	112,481	345,176	100,868	126,741	11,184,259
North West Frontier Province	245,891	33,638	41,203	32,048	15,232	136,548	972,038
Punjab	427,193	1,629,513	405,825	254,102	2,014,609	3,504,496	14,515,567
United Provinces	215,250	2,122,530	1,165,049	311,493	371,331	330,488	10,703,025
Total	1,028,658	6,310,219	2,020,090	1,643,559	2,911,546	5,098,628	52,451,164

* Includes area irrigated at both harvests

AREA UNDER DIFFERENT CROPS CULTIVATED IN 1931-32 IN EACH PROVINCE

Provinces	FOOD GRAINS				
	Rice	Wheat	Barley	Jowar or cholam (great millet)	Bajra or cumbu (spiked millet)
	Acres	Acres	Acres	Acres	Acres
Ajmer Merwara	586	30,696	64,767	104,984	35,238
Assam	4,699,630				
Bengal	22,128,800	145,200	87,500	6,200	2,200
Bihar and Orissa	14,091,300	1,220,900	1,356,400	83,500	71,100
Bombay	3,159,208	2,314,405	35,161	7,893,837	5,228,780
Burma	12,543,154	40,519		651,870	
Central Provinces & Berar	5,527,392	3,532,009	16,851	4,290,249	119,306
Coorg	83,128				
Delhi	36	46,948	12,711	30,067	69,630
Madras	11,537,733	17,361	2,911	4,830,678	2,877,161
North West Frontier Province	41,405	1,014,240	152,441	84,433	155,136
Punjab	799,028	9,079,613	629,480	1,013,634	3,232,886
United Provinces	6,676,506	7,897,212	4,137,004	2,619,023	2,150,162
Total	81,287,906	25,320,103	6,495,226	21,608,175	13,911,599

Provinces	FOOD GRAINS				
	Ragi or mangu (millet)	Maize	Gram (pulse)	Other food grains and pulses	Total Food Grains
	Acres	Acres	Acres	Acres	Acres
Ajmer Merwara	111	72,253	35,081	36,523	400,239
Assam			*	213,083	1,912,713
Bengal	4,400	83,700	179,700	1,071,000	23,708,700
Bihar and Orissa	744,100	1,693,900	1,465,000	4,646,500	25,372,700
Bombay	644,198	191,418	1,019,057	3,208,499	23,691,563
Burma		221,113	244,640	734,065	11,435,361
Central Provinces & Berar	13,826	154,248	1,327,128	5,447,566	20,409,575
Coorg	3,351		320	1,062	87,861
Delhi	15	2,069	99,020	7,502	267,998
Madras	2,200,674	110,184	105,112	6,918,542	28,630,306
North West Frontier Province		449,266	224,072	108,281	2,229,274
Punjab	14,954	1,004,431	5,546,685	1,295,388	22,516,099
United Provinces	246,292	2,125,045	5,685,928	6,511,350	38,018,522
Total	3,871,921	6,107,627	15,931,743	30,449,361	205,013,961

* Included under ' Other food grains and pulses '

AREA UNDER DIFFERENT CROPS CULTIVATED IN 1931-32 IN EACH PROVINCE.

Provinces	OILSEEDS							
	Linseed	Sesamum (til or jajjili)	Rape and mustard	Ground nut	Cocunut	Castor	Other Oil seeds	Total
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
Ajmer-Merwara	638	20,021	891					21,553
Assam	2,260	20,683	302,041			1,818		359,802
Bengal	126,300	161,300	770,300	300	12,800	100	30,900	1,102,000
Bihar and Orissa	654,100	200,400	638,700	1,200	28,500	51,000	299,900	1,876,800
Bombay	137,191	233,046	163,691	989,224	27,088	76,953	220,276	1,818,069
Burma	26	1,328,163	4,360	408,309	10,439	14	7,532	1,759,143
Central Provinces and Berar	937,224	504,924	69,821	164,333		38,263	310,960	2,055,525
Coorg		260	4	1				265
Delhi	4	23	7,744				263	8,034
Madras	5,804	747,053	14,723	2,635,127	539,031	330,114	153,518	4,425,670
North West Frontier Province	285	3,592	106,927				25	110,829
Punjab	31,512	162,440	1,149,860			47	1,206	1,345,065
United Provinces	321,256	329,660	277,820	27,214		10,188	33,507	999,645
Total	2,216,600	3,712,468	3,506,882	4,220,008	617,858	514,497	1,088,087	15,882,400

Provinces	Condi- ments and spices	SUGAR		FIBRES			
		Sugar- cane	Others*	Cotton	Jute	Other fibres	Total fibres
	Acres	Acres	Acres	Acres	Acres	Acres	Acres
Ajmer Merwara	3,415	57	299	26,595		97	26,692
Assam		31,332		37,128	99,282		136,410
Bengal	136,100	233,400	54,900	58,500	1,596,700	63,900	1,719,100
Bihar and Orissa	65,000	281,600		68,500	147,500	26,300	242,300
Bombay	218,754	68,848	1,155	4,320,908		109,494	4,430,402
Burma	97,332	20,624	21,197	228,483		1,186	229,669
Central Provinces and Berar	112,365	22,042				95,138	4,715,504
Coorg	3,676	19		4,620,366		443	443
Delhi	2,150	3,225		4,398		642	5,040
Madras	728,395	116,105	90,796	2,204,506		149,245	2,353,751
North West Frontier Province	7,090	44,268		17,767		1,286	19,053
Punjab	62,820	474,655		2,159,722		54,964	2,214,686
United Provinces	156,888	1,576,280		739,640	1,734	183,544	924,918
Total	1,593,985	2,872,455	168,347	14,486,513	1,845,216	686,239	17,017,908

* Area under sugar yielding plants other than sugarcane

AGRICULTURAL PRODUCE

The following table shows the area under the principal crops, in British India, and their territorial distribution for 1931-32. The sown area is always greater than the area of cultivated land, owing to doublecropping. The figures represent thousands of acres —

Provinces	Rice	Wheat	Sugar Cane	Tea	Cotton	Jute	Linseed	Rape & Mustard	Ses- mum	Castor Seed	Ground Nut	Barely
Ajmer Merwara		31			27				20			42
Assam	4,700		31	431	37	109		302				
Bengal	22,128	115	233	199	58	1,611	126	770	161			87
Bihar & Orissa	14,091	1,221	282	3	68	157	654	639	200	34		1,356
Bombay	2,994	2,314	63		4,073		126	121	213	59	976	35
Burma	12,511				228				1,262		126	
C P & Berar	5,553	3,499	22		4,588		896	66	511	41	160	17
Delhi		41	3		1			8				13
Coorg	83											
Madras	11,538		116	72	2,228				747	110	2,635	3
N W Frontier Pro- vince		1,014	44		18			99				152
Punjab		9,080	174	9	2,160		32	1,106	159			620
United Provinces	6,682	7,748	1,498	6	772		903	2,923	1,115	8		4,050
Total	80,286	25,003	2,766	722	14,261	1,877	2,737	6,037	1,301	495	1,107	6,381

AGRICULTURAL STATISTICS - (Figures in thousands of acres)

	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1931-32
Area by professional survey	667,646,262	667,610,031	667,750	670,038	670,017	669,916	669,145	668,860
Area according to village papers	86,514,012	86,937,008	87,029	86,985	87,224	87,277	87,062	86,566
Area under forest	150,971	150,194	149,014	149,643	149,034	146,873	146,810	145,454
Area not available for cultivation	152,893	151,571	152,531	155,477	154,680	155,491	154,017	155,122
Cultivable waste other than fallow								
Fallow land	47,178	49,305	49,698	51,029	48,482	49,714	49,618	49,076
Net area sown	226,980	225,849	226,012	223,862	228,466	228,464	229,115	228,889
Area irrigated	45,208	47,565	47,785	44,421	49,762	51,010	49,697	48,865
Area under Food crops—								
Rice	79,306	80,171	78,502	76,607	81,122	79,424	80,632	81,288
Wheat	24,848	23,970	24,181	24,569	24,036	24,711	24,797	25,320
Barley	6,969	6,610	6,387	6,825	7,533	7,027	6,694	6,495
Jowar	22,470	20,616	21,121	21,248	20,534	21,241	22,808	21,605
Bajra	11,965	12,269	13,801	14,062	12,932	13,291	13,698	13,912
Ragi	3,980	3,881	3,554	3,852	3,904	4,000	3,983	3,872
Maze	5,347	5,504	5,555	5,943	6,012	6,552	6,458	6,108
Gram	16,551	14,325	14,664	13,073	13,625	11,458	16,444	15,932
Other food grains and pulse	28,887	28,711	29,154	29,600	29,651	30,294	30,055	30,449
Total Food grains	200,327,618	196,069	197,219	196,679	200,269	200,018	202,736	205,014
Area under other food crops including fruits, vegetables, condiments, spices & miscellaneous food crops)	7,671	7,754	7,537	7,844	7,852	7,898	8,241	8,389
Sugar	2,654	2,805	3,041	3,046	2,675	2,583	2,869	3,041
Coffee	91	95	91	92	87	91	92	92
Tea	715	728	738	713	760	766	775	775

Irrigation.

The chief characteristics of the Indian rainfall are its unequal distribution over the country, its irregular distribution throughout the seasons and its liability to failure or serious deficiency. The normal annual rainfall varies from 460 inches at Cherrapunji in the Assam hills to less than three inches in Upper Sind. The greatest rainfall actually measured at any station in any one year was 905 inches, recorded at Cherrapunji in 1861, while at stations in Upper Sind it has been nil. There are thus portions of the country which suffer as much from excessive rainfall as others do from drought.

The second important characteristic of the rainfall is its unequal distribution throughout the seasons. Except in the south-east of the peninsula, where the heaviest precipitation is received from October to December, by far the greater portion of the rainfalls during the south-west monsoon, between June and October. During the winter months the rainfall is comparatively small the normal amount varying from half an inch to two inches, while the hot weather, from March to May or June, is practically rainless. Consequently it happens that in one season of the year the greater part of India is deluged with rain and is the scene of the most wonderful and rapid growth of vegetation, in another period the same tract becomes a dreary, sun-burnt waste. The transition from the latter to the former stage often occurs in a few days. From the agricultural point of view the most unsatisfactory feature of the Indian rainfall is its liability to failure or serious deficiency. The average annual rainfall over the whole country is about 45 inches and there is but little variation from this average from year to year, the greatest recorded being only about seven inches. But if separate tracts are considered, extraordinary variations are found. At many stations annual rainfalls of less than half the average are not uncommon, while at some less than a quarter of the normal amount has been recorded in a year of extreme drought.

Scarcity—Classing a year in which the deficiency is 25 per cent as a dry year and one in which it is 40 per cent as a year of severe drought, the examination of past statistics shows that, over the precarious area, one year in five may be expected to be a dry year and one in ten a year of severe drought. It is largely in order to remove the menace of these years that the great irrigation systems of India have been constructed.

Government Works—The Government irrigation works of India may be divided into two main classes, those provided with artificial storage, and those dependent throughout the year on the natural supplies of the rivers from which they have their origin. In actual fact, practically every irrigation work depends upon

storage of one kind or another but, in many cases, this is provided by nature without man's assistance. In Northern India, upon the Himalayan rivers, and in Madras, where the cold weather rains are even heavier than those of the south-west monsoon, the principal non storage systems are found.

The expedient of storing water in the monsoon for utilization during the subsequent dry weather has been practised in India from time immemorial. In their simplest form, such storage works consist of an earthen embankment constructed across a valley or depression, behind which the water collects, and those under Government control range from small tanks irrigating only a few acres each to the huge reservoirs recently completed in the Deccan which are capable of storing over 20,000 million cubic feet of water. By gradually escaping water from a work of the latter type, a supply can be maintained long after the river on which the reservoir is situated would otherwise be dry and useless.

The Three Classes—Previously all irrigation works were divided into three classes Productive, Protective and Minor, but during the triennium 1921-24 the method of determining the source from which the funds for the construction of Government works was provided was changed, and now all works, whether major or minor, for which capital accounts are kept, have been reclassified under two heads, Productive and Unproductive, with a third class embracing areas irrigated by non-capital works. The main criterion to be satisfied before a work can be classed as productive is that it shall, within ten years of the completion of construction, produce sufficient revenue to cover its working expenses and the interest charges on its capital cost. Most of the largest irrigation systems in India belong to the productive class. The total capital outlay direct and indirect on irrigation and navigation works, including works under construction, amounted at the end of the year 1929-30 to Rs 130 crores.

Unproductive works are constructed primarily with a view to the protection of precarious tracts and to guard against the necessity for periodical expenditure on the relief of the population in times of famine. They are financed from the current revenues of India, generally from the annual grant for famine relief and insurance, and are not directly remunerative, the construction of each such work being separately justified by a comparison of the value of each acre protected (based upon such factors as the probable cost of famine relief, the population of the tract, the area already protected and the minimum area which must be protected in order to tide over a period of severe drought) with the cost of such protection.

Nearly one eighth of the whole area irrigated in India from Government works is effected by minor works for which no capital account is kept

Growth of Irrigation—There has, during the last fifty years, been a steady growth in the area irrigated by Government irrigation works. From 10½ million acres in 1878-79 the area annually irrigated rose to 19½ million acres at the beginning of the century and to 31 million acres in 1930-31. This record was, however, surpassed in the year 1929-30 when the total area irrigated by all classes of works in India excluding the Indian States, amounted to 31½ million acres.

The main increase has been in the class of productive works, which irrigated 4½ million acres in 1878-79 and rose to 20,756,209 acres in 1926-27. During the year 1930-31 the areas irrigated by productive and unproductive works amounted to 22,446,783 acres and 4,195,701 acres respectively.

The area irrigated in 1930-31 was largest in the Punjab, in which province 11.49 million acres were irrigated during the year. In addition about 1.49 million acres were irrigated from channels which although drawing their supplies from British canals, lie wholly in the Indian States. The Madras Presidency came next with an area of 7.6 million acres, followed by the United Provinces with 4 million and Sind with 3.7 million acres.

Capital and Revenue—The total capital invested in the works has risen from Rs. 42.36 lakhs in 1900-01 to Rs. 136.44 crores in 1930-31. The gross revenue for the year was Rs. 1,209 lakhs and the working expenses Rs. 569 lakhs, the net return on capital being therefore, 4.7 per cent. In considering the latter figure, it must be remembered that the capital invested includes considerable expenditure, viz., Rs. 4,096 lakhs upon four projects of the first magnitude viz., the Cauvery Mettur Project, the Lloyd (Sukkur) Barrage Project, the Sardar Canal Project and the Sutlej Valley Project, which were under construction and contributed little or nothing in the way of revenue. Of the several provinces, the return on the capital invested in productive works was highest in the Punjab, where the canals yielded 12.64 per cent.

Charges for Water—The charges for water are levied in different ways in the various provinces. In some, notably in Sind, the ordinary land revenue assessment includes also the charge for water, 9/10ths of this assessment being regarded as due to the canals. In others, as in parts of Madras and Bombay, different rates of land revenue are assessed according to whether the land is irrigated or not, and the assessment upon irrigated land includes also the charge for water. These methods may

however be regarded as exceptional. Over the greater part of India water is paid for separately, the area actually irrigated is measured, and a rate is charged per acre according to the crop grown. Lower rates are often levied in cases where irrigation is by "lift", that is to say where the land is too high for the water to flow on to it by gravity and consequently the cultivator has to lift it on to his field.

Various other methods of assessment have been tried, such as by renting outlets for an annual sum, or by charging according to the volume of the water used, but these have never been successful. The cultivator fully understands the principle of "No crops, no charge" which is now followed as far as possible in canal administration, but has no confidence in a system under which his liability for water rate is independent of the area and quality of his crop.

The rates charged vary considerably with the crop grown, and are different in each province and often upon the several canals in a single province. Thus in the Punjab, they vary from Rs. 7-8-0 to Rs. 12 per acre for sugarcane, from Rs. 4 to Rs. 7-8-0 per acre for rice, from Rs. 3-4-0 to Rs. 5-4-0 per acre for wheat, from Rs. 3 to Rs. 4-4-0 per acre for cotton and from Rs. 2 to Rs. 3-4-0 per acre for millets and pulses. Charge is made for additional waterings. Practically speaking, Government guarantees sufficient water for the crop and gives it as available. If the crop fails to mature, or if its yield is much below normal, either the whole or part of the irrigation assessment is remitted.

A somewhat different system, the long lease system, is in force in parts of Bengal and the Central Provinces under which the cultivators pay a small rate for a term of years whether they take water or not. In these provinces where the normal rainfall is fairly high, it is always a question whether irrigation will be necessary at all, and if the cultivators have to pay the full rate, they are apt to hold off until water becomes absolutely essential, and the sudden and universal demand then usually exceeds the supply. By paying a reduced rate every year for a term of years they become entitled to water when required, consequently there is no temptation to wait till the last possible moment, and the demand is much more evenly distributed throughout the season.

Taken as a whole, irrigation is offered on extremely easy terms, and the water rates represent only a very small proportion of the extra profit which the cultivator secures owing to the water he receives.

Triennial Comparisons—The average area irrigated in British India by Government works of all classes during the triennium 1927-30 was nearly 30 million acres.

The results obtained in each province are given in the table below —

Provinces	Average area irrigated in triennium 1925-28	Triennium 1927-30
Madras	7,205,587	7,277,967
Bombay (Deccan)	440,536	406,748
Sind	3,385,379	3,579,592
Bengal	97,182	90,054
United Provinces	2,698,265	3,639,867
Punjab	10,442,730	11,200,550
Burma	1,939,029	1,994,321
Bihar and Orissa	930,112	937,067
Central Provinces	117,850	400,438
North-West Frontier Province	369,343	403,064
Rajputana	24,820	31,981
Baluchistan	22,319	22,407
Total	27,973,152	29,954,059

Productive Works — Taking productive works only, a triennial comparison is given in the following table. It will be seen that the average area irrigated by such works during the triennium was one-and a half million acres more than in the previous period —

Provinces	Average area irrigated in previous triennium 1924-27	Average area irrigated in triennium 1927-30
Madras	3,732,271	3,821,815
Bombay-Deccan	2,699	2,637
Sind	2,894,468	2,661,519
United Provinces	2,462,061	3,372,506
Punjab	9,755,740	10,775,794
Burma	1,531,403	1,378,393
Central Provinces	153,942	21,889
North-West Frontier Province	200,413	207,750
Total	20,732,997	22,202,303

Taking the productive works as a whole, the capital invested in them was, at the end of 1930-31, Rs 92 crores. The net revenue for the year was Rs 627 lakhs giving a return of 8.81 per cent as compared with 9 per cent in 1918-19 and 9½ per cent in 1919-20. In considering these figures it must be remembered that the capital invested includes the expenditure upon several works which have only lately come into operation and others which are under

construction, which classes at present contribute little or nothing in the way of revenue, moreover only receipts from water rates and a share of the enhanced land revenue due to the introduction of irrigation are credited to the canals, so that the returns include nothing on account of the large addition to the general revenues of the country which follows in the wake of their construction.

Unproductive Works—Turning now to the unproductive works, the areas irrigated in the various provinces during the triennium were as below —

Provinces	Average area irrigated in previous triennium 1924-27	Average area irrigated in triennium 1927-30
Madras	271,155	266,819
Bombay-Deccan	277,709	239,278
Sind	527,737	831,722
Bengal	73,381	67,802
United Provinces	207,312	252,613
Punjab	213,613	124,756
Burma	268,110	539,253
Bihar and Orissa	889,733	904,303
Central Provinces	230,280	333,182
North-West Frontier Province	156,911	195,314
Rajputana	23,272	31,084
Baluchistan	22,070	22,107
Total	3,191,588	4,109,793

Non-capital Works—The results obtained from the non capital works are given below —

Provinces	Average area irrigated in previous triennium 1924-27	Average area irrigated in triennium 1927-30
Madras	3,174,731	3,189,303
Bombay-Deccan	157,025	164,833
Sind	87,279	86,351
Bengal	22,135	22,252
United Provinces	8,006	14,717
Punjab	349,768	Nil
Burma	72,870	76,676
Bihar and Orissa	2,246	2,764
Central Provinces	45,689	45,067
Total	3,919,749	3,601,963

Capital Outlay—The total capital outlay, direct and indirect, on irrigation and navigation works, including works under construction, amounted at the end of 1930-31 to Rs 136 crores. The gross revenue for the year was Rs 12.09 lakhs, and the working expenses Rs 5.69 lakhs, the net return on capital was therefore 4.7 per cent. Of the several provinces, the return on the capital outlay invested in productive works was highest in the Punjab, where the canals yielded 12.64 per cent

In Madras the percentage of return was 6.17 while in the United Provinces a return of 4.93 per cent was realised. In considering these figures it must be remembered that the capital invested includes considerable expenditure upon three projects of the first magnitude viz, the Sarda Oudh canals, the Lloyd Barrage project and the Cauvery (Mettur) project which were under construction and contributed little or nothing in the way of revenue.

Irrigated Acreage—A comparison of the acreage of crops matured during 1930-31 by means of Government irrigation systems with the total area under cultivation in the several provinces is given below—

Provinces	Net area cropped Acres	Area irrigated by Government irrigation works Acres	Percentage of area irrigated to total cropped area	Capital cost of Government irrigation & Navigation works to end of 1930-31 In lakhs of rupees	Estimated value of crops raised on areas receiving State irrigation In lakhs of rupees
Madras	39,193,000	7,773,000	19.3	17.63	22.33*
Bombay-Deccan	26,261,000	103,000	1.5	10.38	2.02
Sind	1,336,000	3,716,000	85.7	21.90	6.87
Bengal	25,399,000	73,000	0.3	4.85	.27
United Provinces	43,022,000	3,989,000	9.3	25.12	11.13
Punjab	30,265,000	11,185,000	3.0	33.38	2.477
Burma	18,021,000	2,098,000	11.6	6.62	6.35
Bihar and Orissa	29,779,000	990,000	3.0	6.28	6.39
Central Provinces	20,650,000	123,000	2.1	6.63	1.40
North-West Frontier Provinces	2,123,000	405,000	16.7	2.94	1.28
Rajputana	377,000	20,000	5.1	.35	.5
Baluchistan	157,000	22,000	4.8	.36	.3
Total	243,185,000	31,097,000	12.7	1,36.44	86.19

* Exclusive of the value of crops raised on some 1 million acres irrigated by non capital works

New Works—The major works of exceptional importance are the Sukkur Barrage and Canals in Sind, the Cauvery (Mettur) project in Madras, and the Sutlej Valley Canals in the Punjab. The Sukkur Barrage which was opened by His Excellency the Viceroy early in 1932, is the greatest work of its kind in the world, measuring 4,725 feet between the faces of the regulators on either side. The total cost of the scheme is estimated at Rs 20 crores which the barrage accounts for about Rs 6 crores and the canals for Rs 14 crores. A gross area of 7½ million acres is commanded, of which 6½ million acres is culturable and an annual area of irrigation of 5½ million acres is anticipated, of which 2 million acres represent existing inundation irrigation which will be given an assured supply by the new canals. The ultimate annual net revenue forecasted as obtainable from the project, after paying working expenses, is Rs 194 lakhs, which represents a return of 10 per cent on capital. This is the return from water rates alone, but a further large increase in general revenues may safely be reckoned upon from the area of 3 million acres of waste which will be brought under cultivation. There will be increases on this account under practically every head of revenue, such as railways, customs, stamps, excise and the like, not to mention the addition to the country's wealth owing to the production, on land at present barren, of crops to the value of Rs 2,500 lakhs per annum.

The Sutlej Valley Works consist of four weirs, three on the Sutlej and one on the Panjab, as the Chenab is called below its junction with the Sutlej, with twelve canals taking off from above them. The total area to be irrigated is 5,108,000 acres, or nearly 8,000 square miles. Of this, 2,075,000 acres are perennial and 3,033,000 acres non-perennial. Irrigation 1,942,000 acres are in British territory, 2,825,000 acres in Bahawalpur and 341,000 acres in Bikaner.

The total cost of the scheme was estimated at Rs 1,460 lakhs. Upon this a return of 12½ per

cent is anticipated from water rates alone. But the scheme has another, and even more important source of revenue. On the introduction of irrigation, no less than 3½ million acres of desert waste, the property of the three parties concerned at present valueless will become available for colonisation and sale. It is customary, in the *pro forma* accounts of irrigation projects, to credit a scheme with the interest on the sale proceeds of Crown waste lands rendered culturable by its construction, if this is included, the annual return on the works will amount to nearly 38 per cent. It bids fair, indeed, to rival the Lower Chenab Canal, the return from which was more than 50 per cent in 1929-30. These anticipations may need modification, however, in view of the fact that a revised estimate for the project amounts to Rs 2,376 lakhs.

The Cauvery Reservoir project, which will cost nearly 6½ crores of rupees and will extend irrigation to a new area of 301,000 acres, is making satisfactory progress. In Bombay Presidency the Bhandardara Dam, 270 feet in height, was completed at the end of 1925 and the Bhatgar Dam at the end of 1926. The Damodhar River (Canal) project, which will irrigate 180,000 acres of rice lands in the Burdwan and Hooghly Districts of Bengal was commenced during the year 1926-27. Excellent progress has been made with the Sarda-Rodh Canals in the United Provinces and the system was inaugurated by H. E. the Viceroy in the autumn of 1928. This project will irrigate more than a million acres.

A comprehensive irrigation programme extending over a period of 14 years is under investigation in the Central Provinces. The possibility of increasing irrigation in the North-West Frontier Province is receiving attention, whilst in Bombay Presidency there is a proposal to increase the supply in Lake Fife either by raising the present dam or by constructing subsidiary storage dams in branch valleys.

WELLS AND TANKS

So far we have dealt only with the great irrigation schemes. They are essentially exotic, the products of British rule, the real eastern instrument is the well. The most recent figures give thirty per cent of the irrigated area in India as being under wells. Moreover the well is an extremely efficient instrument of irrigation. When the cultivator has to raise every drop of water which he uses from a varying depth, he is more careful in the use of it, well water exerts at least three times as much duty as canal water. Again, owing to the cost of lifting, it is generally used for high grade crops. It is estimated that well-irrigated lands produce at least one-third more than canal-watered lands. Although the huge areas brought under cultivation by a single canal scheme tend to reduce the disproportion between the two systems, it must be remembered that the spread of canals increases the possibilities of well irrigation by adding, through seepage, to the store of subsoil water and raising the level.

Varieties of Wells—Wells in India are of every description. They may be just holes in the ground, sunk to subsoil level, used to a year or two and then allowed to fall into decay. These are temporary or *kacha* wells. Or they may be lined with timber, or with brick or stone. They vary from the *kacha* well costing a few rupees to the masonry well, which will run into thousands, or in the sandy wastes of Bikanir, where the water level is three hundred feet below the surface, to still more. The means of raising the water vary in equal degree. There is the *pitollah*, or weighted lever, raising a bucket at the end of a pivoted pole, just as is done on the banks of the Nile. This is rarely used for lifts beyond fifteen feet. For greater lifts bullock power is invariably used. This is generally harnessed to the *mot*, or leather bag, which is passed over a pulley overhanging the well, then raised by bullocks who walk down a ramp of a length approximating to the depth of the well. Sometimes the *mot* is just a leather bag, more often it is a self acting arrangement, which discharges the water into a sump automatically on reaching the surface. By this means from thirty to forty gallons of water are raised at a time, and in its simplicity, and the ease with which the apparatus can be constructed and repaired by village labour, the *mot* is unsurpassed in efficiency. There is also the Persian wheel, an endless chain of earthenware pots running round a wheel. Recently attempts have been made, particularly in Madras, to substitute mechanical power, furnished by oil engines, for the bullock. This has been found economical where the water supply is sufficiently large, especially where two or three wells can be linked. Government have systematically

encouraged well irrigation by advancing funds for the purpose and exempting well watered lands from extra assessment due to improvement. These advances, termed *takavi*, are freely made to approved applicants, the general rate of interest being 6½ per cent. In Madras and Bombay ryots who construct wells, or other works of agricultural improvement, are exempt from enhanced assessment on that account. In other provinces the exemption lasts for specific periods, the term generally being long enough to recoup the owner the capital sunk.

Tanks—Next to the well, the indigenous instrument of irrigation is the tank. The village or the roadside tank is one of the most conspicuous features in the Indian scene. The Indian tank may be any size. It may vary from a great work like Lakes Fife and Whiting in the Bombay Presidency or the Periyar Lake in Travancore, holding up from four to seven billion cubic feet of water, and spreading their waters through great chains of canal, to the little village tank irrigating ten acres. They date back to a very early stage in Indian civilisation. Some of these works in Madras are of great size, holding from three to four billion cubic feet, with water spreads of nine miles. The inscriptions of two large tanks in the Chingleput district of Madras, which still irrigate from two to four thousand acres are said to be over 1,100 years old. Tank irrigation is practically unknown in the Punjab and in Sind, but it is found in some form or other in all other provinces, including Burma, and finds its highest development in Madras. In the ryotwari tracts of Bombay and Madras all but the smallest tanks are controlled by Government. In the zemindari tracts only the large tanks are State works. According to the latest figures the area irrigated from tanks is about eight million acres, but in many cases the supply is extremely precarious. So far from tanks being a refuge in famine they are often quite useless inasmuch as the rainfall does not suffice to fill them and they remain dry throughout the season.

Bibliography—Annual Review of Irrigation in India, 1930 1931, Delhi, Manager, Government of India Publications Price Rs 1-2 0. Also Annual Review of Irrigation in India 1930 31, Delhi, Manager of Publications Price Rs 1 2-0. The annual irrigation reports in India used to be as arid as the Sahara, consisting of a dull statistical record. They have been greatly improved of recent years and have now assumed a quite satisfactory form. The major review appears once every three years. The first of these triennial reviews was issued in 1922. Between the triennial reviews there is issued a briefer statement recording the progress of each particular year.

Meteorology.

The meteorology of India like that of other countries is largely a result of its geographical position. The great land area of Asia to the northward and the enormous sea expanse of the Indian Ocean to the southward are determining factors in settling its principal meteorological features. When the Northern Hemisphere is turned away from the sun, in the northern winter, Central Asia becomes an area of intense cold. The meteorological conditions of the temperate zone are pushed southward and we have over the northern provinces of India the westerly winds and eastward moving cyclonic storms of temperate regions, while, when the Northern Hemisphere is turned towards the sun, Southern Asia becomes a super-heated region drawing towards it an immense current of air which carries with it the enormous volume of water vapour which it has picked up in the course of its long passage over the wide expanse of the Indian Ocean, so that at one season of the year parts of India are deluged with rain and at another persistent dry weather prevails.

Monsoons—The all-important fact in the meteorology of India is the alternation of the seasons known as the summer and winter monsoons. During the winter monsoon the winds are of continental origin and hence, dry, fine weather, clear skies, low humidity and little air movement are the characteristic features of this season. The summer rains cease in the provinces of the North-West Frontier Province and the Punjab about the middle of September after which cool westerly and northerly winds set in over that area and the weather becomes fresh and pleasant. These fine weather conditions extend slowly eastward and southward so that by the middle of October, they embrace all parts of the country except the southern half of the Peninsula and by the end of the year have extended to the whole of the Indian land and sea area, the rains withdrawing to the Equatorial Belt. Thus the characteristics of the cold weather from October to February over India are—Westerly winds of the temperate zone over the extreme north of India, to the south of these the north-east winds of the winter monsoon or perhaps more properly the north east Trades and a gradually extending area of fine weather which, as the season progresses, finally embraces the whole Indian land and sea area. Two exceptions to these fine weather conditions exist during this period, viz., the Madras coast and the north-west of India. In the former region the north-east winds which set in over the Bay of Bengal in October coalesce with the damp winds of the retreating summer monsoon, which current curves round over the Bay of Bengal, and blowing directly on to the Madras coast gives to that region the wettest and most disturbed weather of the whole year, for while the total rainfall for the four months June to September, i.e., the summer monsoon, at the Madras Observatory amounts to 15.36 inches the total

rainfall for the three months October to December amounts to 29.48 inches. The other region in which the weather is unsettled, during this period of generally settled conditions, is North-west India. This region during January, February and part of March is traversed by a succession of shallow storms from the westward. The number and character of these storms vary very largely from year to year and in some years no storms at all are recorded. In normal years, however, in Northern India periods of fine weather alternate with periods of disturbed weather (occurring during the passage of these storms) and light to moderate and even heavy rain occurs. In the case of Peshawar the total rainfall for the four months, December to March, amounts to 5.26 inches while the total fall for the four months, June to September, is 4.78 inches, showing that the rainfall of the winter is, absolutely, greater in this region than that of the summer monsoon. These two periods of subsidiary "rains" are of the greatest economic importance. The fall in Madras is, as shown above of considerable actual amount, while that of North-west India though small in absolute amount is of the greatest consequence as on it largely depend the grain and wheat crops of Northern India.

Spring Months—March to May and part of June form a period of rapid continuous increase of temperature and decrease of barometric pressure throughout India. During this period there occurs a steady transference northward of the area of greatest heat. In March the maximum temperatures, slightly exceeding 100° occur in the Deccan, in April the area of maximum temperature, between 100° and 105° , lies over the south of the Central Provinces and Gujarat, in May maximum temperatures, varying between 105° and 110° , prevail over the greater part of the interior of the country while in June the highest mean maximum temperatures exceeding 110° occur in the Indus Valley near Jacobabad. Temperatures exceeding 120° have been recorded over a wide area including Sind, Rajputana, the West and South Punjab and the west of the United Provinces, but the highest temperature hitherto recorded is 126° registered at Jacobabad on June 12th, 1897. During this period of rising temperature and diminishing barometric pressure, great alterations take place in the air movements over India, including the disappearance of the north east winds of the winter monsoon, and the air circulation over India and its adjacent seas, becomes a local circulation, characterised by strong hot winds down the river valleys of Northern India and increasing land and sea winds in the coast regions. These land and sea winds, as they become stronger and more extensive, initiate large contrasts of temperature and humidity which result in the production of violent local storms. These take the forms of dust storms in the dry plains of Northern India and of thunder and hailstorms in regions where there

malayas and gives general rain over the Gangetic plain and almost daily rain over the lower ranges of the Himalayas from Sikkim to Kashmir

To the south of this easterly wind of the Bay current and to the north of the westerly wind of the Arabian Sea current there exists a debatable area running roughly from Hissar in the Punjab through Agra, Allahabad and part of Chota Nagpur to Orissa, where neither current of the monsoon prevails. In this area the rainfall is uncertain and would probably be light, but that the storms from the Bay of Bengal exhibit a marked tendency to advance along this track and to give it heavy falls of occasional rain

The Total rainfall of the monsoon period (June to September) is 100 inches over part of the west coast, the amount diminishes eastward, is below 20 inches over a large part of the centre and east of the Peninsula and is only 5 inches in South Madras, it is over 100 inches on the Tenasserim and South Burma coast and decreases to 20 inches in Upper Burma. It is over 100 in the north Assam Valley and diminishes steadily westward and is only 5 inches in the Indus Valley

The month to month distribution for the whole of India is —

May	26	inches
June	83	"
July	119	,
August	105	,
September	72	"
October	32	"

Cyclonic storms and cyclones are an almost invariable feature of the monsoon period. In the Arabian Sea they ordinarily form at the commencement and end of the season, viz, May and November, but in the Bay they form a constantly recurring feature of the monsoon season. The following gives the total number of storms recorded during the period 1877 to 1901 and shows the monthly distribution —

	Jan	Feb	Mar	Apr	May	June
Bay of Bengal	.	.	1	4	13	28
	July	Aug	Sep	Oct	Nov	Dec
Bay of Bengal	41	36	45	54	22	8
	Jan.	Feb	Mar	Apr	May	June
Arabian Sea	.	.	.	2	15	.
	July	Aug	Sep	Oct	Nov	Dec
Arabian Sea	2	.	1	1	6	.

The preceding paragraphs give an account of the normal procession of the seasons throughout India during the year, but it must be remembered, that every year produces variations from the normal, and that in some years these variations are very large. This is more particularly the case with the discontinuous element rainfall. The most important variations in this element which may occur are —

- (1) Delay in the commencement of the rains over a large part of the country, this being most frequent in North Bombay and North-west India
- (2) A prolonged break in July or August or both
- (3) Early termination of the rains, which may occur in any part of the country
- (4) The determination throughout the monsoon period of more rain than usual to one part and less than usual to another part of the country. Examples of this occur every year

About the middle of September fine and fresh weather begins to appear in the extreme north-west of India. This area of fine weather and dry winds extends eastward and southward, the area of rainy weather at the same time contracting till by the end of October the rainy area has retreated to Madras and the south of the Peninsula and by the end of December has disappeared from the Indian region, fine clear weather prevailing throughout. This procession with the numerous variations and modifications which are inseparable from meteorological conditions repeats itself year after year

(For monsoon of 1933, see page 327)

INDIA METEOROLOGICAL DEPARTMENT.

Functions of the Department—The India Meteorological Department was instituted in 1875 to combine and extend the work of various provincial meteorological services which had sprung up before that date. The various duties which were imposed on the Department at the time of its formation were from time to time supplemented by new duties. The main existing functions, more or less in the historical order in which they were assumed, may be briefly summarised as follows—

(a) The issue of warnings to ports and coastal districts of the approach of cyclonic storms

(b) The issue of storm warnings by wireless to ships in the Indian seas, and the making of arrangements for the collection of meteorological data from ships

(c) The maintenance of systematic records of meteorological data and the publication of climatological statistics. These were originally undertaken in order to furnish data for the investigation of the relation between weather and disease

(d) The issue to the public of up to date weather reports and of rainfall forecasts. These duties were originally recommended by a Committee of Enquiry into the causes of famine in India

(e) Meteorological researches of a general character, but particularly regarding tropical storms and the forecasting of monsoon and winter rainfall

(f) The issue of seasonal rainfall forecasts

(g) The issue of telegraphic warnings of heavy rainfall by special telegrams to district officers on departmental warning lists (*e.g.*, canal and railway engineers), and by means of the ordinary daily weather telegram to the public in general

(h) Supply of meteorological, astronomical and geophysical information in response to enquiries from officials, commercial firms or private individuals

(i) Technical supervision of rainfall registration carried out under the control of provincial Government authorities

(j) The study of temperature and moisture conditions in the upper air by means of instrument carrying balloons and of upper winds by pilot balloons

(k) The issue of weather reports and warnings to aircraft, civil and military, the latter being in collaboration with the Royal Air Force

(l) Study of meteorology in relation to agriculture, a subject on which the Royal Commission on Agriculture in India made recommendations,

In addition to these meteorological duties the India Meteorological Department was from time to time made responsible for or undertook various other important duties, such as—

(m) Determination of time in India and the issue of time signals, also the determination of errors of chronometers for the Royal Indian Marine and the Royal Navy

(n) Observations and researches on terrestrial magnetism at Bombay and atmospheric electricity at Bombay and Poona

(o) Regular study (mainly by spectroscopic examination) of the sun at the Solar Physics Observatory at Kodaikanal

(p) Maintenance of seismological instruments at various centres

Definitions of different types and classes of Observatories—Before proceeding to indicate the organisation of the Meteorological Department, it may be helpful to introduce here the following definitions—

Forecast Centre at which weather observations are collected by telegrams from a number of stations in order to form the basis of weather reports and forecasts issued therefrom. These may be (a) Main Centres, serving a large area for general purposes, or (b) Regional Centres serving more limited areas for special purposes

Upper Air Observatory undertaking observations of upper winds, and of upper air temperatures, humidities and pressures up to heights of about 15-20 miles by means of sounding balloons (*i.e.*, balloons with self recording instruments attached)

Air Observatory to which Royal Air Force supply aeroplane data of temperatures and humidities up to heights of 2 or 3 miles

Pilot Balloon Observatory at which pilot balloons (*i.e.*, balloons without attached instruments) are released and observed through special theodolites for the determination of wind directions and velocities at various heights in the free atmosphere. The minimum staff is two full time observers for one balloon flight per day and 3 full time observers and a balloon maker for two balloon flights per day

A meteorological or weather observatory for the observations of such elements as can be recorded by an observer with the help of instruments on the ground (as distinct from upper air observations obtained by means of balloons, etc.) Observatories where the staff is provided and paid for by other agencies, *e.g.*, Indian States, are called non departmental although instruments are supplied by the Meteorological Department. These surface observatories are classified according to the number of observations per day and the number and kind of instruments to be read. Thus,

First class weather observatory which is furnished with autographic instruments for continuously recording pressure, temperature, humidity, wind direction and velocity, and rainfall, in addition to instruments read by eye. It may also undertake special observations (e.g., on atmospheric electricity). The staff required varies from two part time observers to about four full time observers according to the amount of special work and of computation and tabulation of data.

Second class weather observatory at which observations are taken twice daily and usually telegraphed to one or more forecast centres. The existing standard times of observation in India are 8 hrs (Local Time) and 17 hrs (Indian Standard Time), the observations being made by a part time observer on Rs 25 per mensem. At certain second class observatories, practically all of which are non departmental, observations are recorded twice daily, at 10 and 16 hrs (Local Time) but not telegraphed.

Third class weather observatory where readings are taken daily at 8 hrs and sent by telegram daily or by post at the end of each month to one or more forecast centres. At each observatory of this type there is one part time observer on Rs 15 a month.

Fourth class weather observatory at which observations (a) of temperature, wind and rainfall only or (b) of temperature and rainfall only are recorded. The staff of a 4th class observatory is one part time observer on pay not exceeding Rs 12 a month.

Fifth class weather observatory at which a part time observer on Rs 5 p.m. records and telegraphs rainfall only.

Magnetic Observatory equipped with instruments for continuously recording the principal magnetic elements.

Seismological station equipped with one or more continuously recording seismographs.

Time Observatory equipped with instruments for the determination of time from observations of sun and stars and from European wireless time signals.

Solar Physics Observatory equipped with photo heliograph, spectro heliograph, etc.

Auxiliary centre where a Professional or Meteorological Assistant receives copies of weather reports from the forecasting centres for transmission to pilots.

Organisation—It is necessary to note that practical meteorology implies a meteorological organisation, not merely individual meteorologists relying upon their own personal and purely local observations. The making of a single forecast in any of the larger meteorological offices of the

world requires the organised co operation of some hundreds of persons. In India some 340 observers co operate daily to take simultaneous observations at about 250 separate places and hand in their reports to telegraphists, who transmit them to forecast centres, where, for rapid assimilation, clerks decode them and chart them on maps, meteorological experts then draw therefrom the conclusions on which their forecasts are based. There are other observatories, which take observations for climatological purposes, but do not telegraph them. An efficient system of telegraphic communication of weather reports is an essential feature in all meteorological organisations. This is recognised in the International Telecommunication Convention.

As aviation has been and still is making increasing demands on meteorologists in India, it is easier to understand the constitution and needs of the department if we first consider the organisation unconnected with the development of aviation. This organisation consisted of a central office, 5 principal sub offices, 23 pilot balloon observatories and 270* weather observatories principally of the third class distributed over a region stretching from Persia, Aden and Zanzibar on the west to Burma on the east. Of the six principal sub offices, the one at Madras was closed down in 1932 as a measure of retrenchment. A brief summary of the present functions of the five remaining offices, apart from their duties on behalf of aviation, is given below—

(a) **Headquarters Office, Poona (F U W 1)**—The general administration of the department is carried on by the Headquarters Office in Poona. In addition, it is in immediate and complete charge of all second, third, fourth and fifth class weather observatories in Kashmir, Gujarat, Central India, the Central Provinces and the Peninsula and is responsible for the scrutiny of records and checking and computation of data received from them. It receives telegraphic reports of morning observations collected at practically all pilot balloon and first, second, third and fifth class observatories in India and issues daily a telegraphic summary of general weather conditions with forecasts of probable changes in weather during the next 24 hours for the whole country. It prepares and publishes the Daily, Weekly and Monthly Weather Reports, and an Annual Volume entitled the "India Weather Review", and issues two annual volumes containing rainfall data of about 3,000 stations in India. In collaboration with the Agra Observatory, it also publishes an annual volume containing all upper air data collected in India. It undertakes the issue of heavy rainfall warnings for practically the whole country except north east India, and the issue of warnings for storms in the Arabian Sea. It is responsible for the preparation of normals of rainfall, temperature, humidity, etc., for all observatories in India. It collects and examines weather logs from ships in the Arabian Sea. It supplies all weather observatories with instruments and stores from the stock, which it maintains. It is also

* The actual numbers were 10 first class, 2 second class, 200 third class and 29 each fourth and fifth class.

responsible for the design, specification, test and repair of all meteorological instruments. On its transfer from Simla to Poona, the Headquarters Office was equipped as an upper air observatory and a first class weather observatory and has also been designed to provide facilities for research in theoretical and practical meteorology. Publications of meteorological research in the Department are edited and issued from Poona.

A branch for agricultural meteorology was started a year and a half ago, it has been sanctioned for a period of three years and is financed by the Imperial Council of Agricultural Research. The work of this new branch can be classed under two heads (a) statistical and (b) experimental. The programme of statistical investigation includes a critical enquiry into the available data on the area and yield of crops for the various presidencies and districts in India, after careful selection, the correlation of some of them with the accumulated meteorological data. On the experimental side, the scheme aims to study micro climatology, evolve suitable instruments for such work, standardize methods of observations and in general undertake a detailed study of the air layer near the ground.

(b) **Meteorological Office and Observatory, Alipore, Calcutta (F P W1, S T)**—The Alipore Office serves as a regional forecast centre and is responsible for the publication of the Calcutta Daily Weather Report for north east India, for storm warning in the Bay of Bengal and heavy rainfall warning in north east India. It has charge of all second, third, fourth and fifth class observatories in the area comprising Burma and the Bay Islands, Assam, Bengal, Bihar and Orissa and the east United Provinces, including the checking and computation of data therefrom. It also supplies time signals by time ball to Fort William, by wireless to shipping at sea and by telegraphic signal throughout the Indian telegraph and railway systems. It is also a first class weather observatory, pilot balloon observatory and seismological station.

(c) **Upper Air Observatory, Agra (U W1 S)**—Agra Observatory is the headquarters of all pilot balloon work in India. It is responsible for the maintenance and supervision of the work of the pilot balloon observatories in India, Burma and the Persian Gulf and supplies them with the equipment necessary to carry on their daily observations. These duties have necessitated the provision of a hydrogen factory to make hydrogen gas and compress it into tubes, as well as the provision of a workshop for the repair and manufacture of upper air and other instruments. All data from pilot balloon observatories are collected, checked and statistically summarised at Agra. This observatory is also the principal centre of upper air research work in India. The sounding balloon work there (in the course of which balloons have provided information of conditions up to as great a height as 90,000 feet) has been responsible for most of our present knowledge regarding the free atmosphere over India. There is a seismological station attached to this observatory.

(d) **Colaba and Alibag Observatories (W1 S T M)**—These observatories specialise in the study of geophysics, particularly terrestrial

magnetism and seismology, and in addition carry on the duties of a first class weather observatory. The routine magnetic work at Alibag, as well as the publication of the magnetic data is arranged in accordance with the recommendations of the International Commission for Terrestrial Magnetism. The observatories take star or sun observations for the determination of time and the Colaba Observatory is responsible for the time ball service at the Bombay Harbour and the rating of chronometers belonging to the Royal Indian Marine and Royal Navy. In recent years researches on atmospheric electricity and microseisms in relation to major weather phenomena over the sea have also been undertaken there.

(e) **Kodakanal (Sp W1 S)**—The observatory at Kodakanal specialises in the study of the physics of the sun, and is specially equipped for spectroscopic observations and research. The routine work is decided in accordance with recommendations of the International Astronomical Union which prevent any serious overlapping of work in the comparatively few solar physics observatories in the world. This observatory also undertakes the duties of a first class weather observatory and a seismological station.

Special Organisation to meet the needs of Aviation—The above represents the activities and organisation of the Department unconnected with aviation in India. With the development of civil and military aviation and rather rapid expansion of their activities in recent years fresh duties of a different character devolved upon the Department and necessitated a more or less complete overhaul of the pre-existing arrangements. Aviators require detailed information about the weather, they wish to know winds at different levels, have information about visibility, fogs, dust storms, thunderstorms, height of low clouds, etc., along with forecasts of changes in these elements. Many of these are local, short lived and rapidly changing phenomena.

Definite recommendations regarding the nature of information to be supplied to aircraft, the exhibition of current weather information at aerodromes and the meteorological organisation of international airways have been embodied in Annex G of the International Convention of Air Navigation. In accordance with these recommendations, expert meteorologists should be stationed at aerodromes at reasonable intervals along the airway to supply to the aviation personnel current information and forecasts of weather conditions along the routes up to the next aerodrome of the same class. Forecast centres should be established at least at each main aerodrome along aerial routes and forecasts prepared at such centres should be transmitted to the other aerodromes for the information of pilots. Other recommendations refer to hours and kind of observations and manner of codifying them.

In Europe practically all observatories record and telegraph readings at least thrice daily, whilst stations near air routes do so every three hours. In the United States of America readings are made at least twice daily at all observa-

are provided there. Meanwhile, a first class weather observatory and pilot balloon station have been started at Drigh Road.

The Karachi Office administers all second, third, fourth and fifth class observatories in Persia* and Arabia, Baluchistan, the North West Frontier Province, the Punjab, Sind, Rajputana and the West United Provinces. As the basis of the weather reports and forecasts issued to aviators, it prepares two weather charts daily, drawn up mainly from observations received from the observatories under its own control. A daily weather report is also being published, as an experimental measure.

(c) **Calcutta**—On the opening of the main trans-India air route, Calcutta was made responsible for weather reports and forecasts to aviators between Gaya and Akra. On the closure of the Meteorological Offices at Delhi and Rangoon, the region of responsibility was extended to Allahabad on the west and to Victoria Point on the south east. An afternoon weather chart was added to meet the needs of aviation, and the area of the long established morning chart has been extended with each extension of the area of responsibility.

(d) **Poona**—The new forecasting centres the increased status of most weather observatories and generally increased activities of the Department have added considerably to the administrative and executive responsibility of the headquarters office at Poona. This office is responsible for the issue of weather reports to aviators on routes in central and southern India. In connection with the newly opened Karachi-Madras air service, this office will be responsible for the issue of weather reports for the major section, viz., Ahmedabad to Madras. On certain occasions early morning observations of cloud heights made at Bombay are received and notified, by visual signal on the roof of the office building, to the passing air mail on its flight from Bellary to Bombay.

The auxiliary centres (C) are situated at RANGOON, AKRA, DUM DUM†, ALLAHABAD and JODHPUR. The Professional or Meteorological Assistant stationed at these centres is authorised to add to the weather report received from the forecasting centres his own conclusions about

the LOCAL weather situation. The latest information available regarding the local surface conditions and upper winds can also be obtained from him.

Possible developments, as financial conditions permit—Some of the main lines, along which developments are to be desired as soon as financial conditions allow, are indicated briefly below—

(a) The extension of the current weather report scheme on the wireless chain along the Trans-India air route, by including immediate reports of adverse weather, transmission of upper wind information, and transmission twice daily at regular times of weather forecasts for each part of the air-route.

(b) The institution of a second daily weather chart at Poona and additional facilities at Madras and some of the intermediate stations along the Karachi-Madras route.

(c) The improvement of the skeleton weather services along all air routes, up to the standards recommended by the International Air Convention.

(d) Exchange of synoptic weather data by wireless with neighbouring countries—Siam, Malaya, Indo China, etc.

(e) Broadcasting of a "continental" bulletin of synoptic weather data for the region, Persia to Indo China, to help towards completion of the series of "continental" weather broadcasting stations at Annapolis (U.S.A.), Rugby, Moscow, etc., in the northern hemisphere.

(f) Further development of marine meteorology, in accordance with the recommendations of the International Convention on the Safety of Life at Sea.

(g) Development of upper air research in South India, which was one of the reasons for the transfer of the headquarters Office from Simla to Poona.

(h) Improvement of staff conditions in the workshop attached to the Poona Headquarters Office.

* Surface observations at Persian stations are taken at 4 and 14 hours Greenwich Mean Time (Add 5½ hours to convert to Indian Standard Time).

† At present the functions of this centre are being carried on by the Meteorological Office at Calcutta, for want of proper building accommodation at Dum Dum.

Average Monthly and Annual Mean of Air Temperature at Selected Stations in India

Stations	Elevation in feet	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Mean
HILL STATIONS														
*Shillong	4,920	49.5	51.8	50.1	65.2	66.6	68.8	70.0	69.2	69.4	63.1	56.5	50.7	61.7
Darjeeling	7,376	40.1	41.6	49.7	56.2	58.3	59.9	61.5	60.9	59.1	53.2	47.8	41.8	52.7
Simla	7,224	38.8	40.6	51.5	59.3	66.0	66.9	61.3	62.8	60.9	56.7	50.1	43.1	55.1
Murree	6,333	40.5	41.1	51.1	61.2	68.3	72.3	69.1	67.2	65.9	61.3	52.8	45.0	58.0
Srinagar	5,204	30.7	33.0	45.1	55.7	63.9	69.9	73.0	70.8	61.0	53.2	44.0	36.3	53.3
Mount Abu	3,945	53.2	61.0	69.9	78.0	79.8	71.9	69.8	67.6	69.6	71.6	65.2	59.9	68.8
*Ootacamund	7,327	51.0	55.5	58.6	61.5	61.3	58.2	56.0	57.1	57.3	57.2	55.1	54.3	57.3
*Kodakanal	7,088	55.0	56.2	59.6	61.5	61.9	59.1	57.6	57.8	57.6	56.9	54.9	55.0	57.8
COAST STATIONS														
Karachi	49	65.3	68.1	75.0	80.6	81.7	86.8	81.3	82.1	82.0	80.0	71.0	67.1	77.6
Veraval	18	69.4	70.2	74.0	79.1	81.5	82.5	80.0	79.1	79.0	79.5	77.2	72.3	77.0
Bombay	37	71.5	71.8	78.0	82.1	81.6	82.4	79.5	79.1	79.4	80.7	79.3	76.4	79.3
Ratnagiri	110	76.2	76.0	78.5	82.8	84.3	80.7	78.3	78.1	78.2	79.8	79.5	77.6	79.2
Mangalore	65	78.2	79.3	81.1	83.9	83.5	78.8	77.1	77.3	77.6	78.9	79.8	79.0	79.6
Calicut	27	77.8	79.8	81.6	83.6	83.1	78.5	76.7	77.4	78.3	79.1	79.5	78.3	75.9
Negapatam	31	75.5	77.4	80.5	84.8	87.7	87.0	85.6	84.4	83.4	80.9	78.3	76.0	81.8
Madras	22	75.3	76.6	79.5	84.1	88.7	88.1	85.7	81.5	83.9	80.8	77.9	75.7	81.8
Masulipatam	15	73.6	76.7	80.3	85.2	89.8	87.8	83.9	83.4	83.0	81.2	77.1	71.0	81.4
Gopalpur	51	70.0	71.8	78.3	81.6	84.1	83.7	81.8	82.0	82.2	79.6	74.3	69.8	78.6
Rangoon	57	71.7	77.3	81.2	85.0	82.2	79.5	78.8	78.7	79.1	80.0	78.3	75.6	79.2

* As the average mean figures for Shillong, Ootacamund and Kodakanal are not available, means of normal maximum and minimum temperatures uncorrected for diurnal variation are given

Average Monthly and Annual Means of Air Temperature at Selected Stations in India

Stations	Eleva- tion in feet	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec.	Ann- al Mean.
STATIONS ON THE PLAINS														
Toungoo	183	70 0	74 7	81 9	86 7	85 3	81 3	80 1	80 1	81 3	81 4	77 4	71 6	79 3
Mandalay	250	68 8	73 8	82 1	89 2	88 5	85 4	85 2	84 7	83 5	82 5	75 9	69 5	80 8
Rilehar	104	63 8	67 0	73 9	78 0	80 1	81 4	82 6	82 4	81 7	79 7	73 1	66 1	75 9
Calcutta	21	65 2	70 3	79 3	85 0	85 7	84 5	83 0	82 4	82 6	80 0	72 4	65 3	77 9
Burdwan	99	65 7	70 0	80 4	86 7	86 5	81 9	83 6	82 8	83 1	80 7	73 0	66 3	78 6
Pitna	183	60 8	65 3	76 9	86 2	88 0	86 4	83 5	83 1	83 3	79 5	70 1	62 2	77 1
Benares	267	60 0	65 3	76 6	86 8	91 3	89 4	84 1	83 1	83 0	77 9	67 8	60 2	77 2
Allahabad	309	59 5	64 9	76 8	87 6	92 5	90	81 5	83 2	83 0	77 6	67 5	59 8	77 3
Lucknow	368	58 7	63 7	75 2	80 4	90 6	90 2	85 3	83 4	83 2	77 1	66 3	58 9	76 0
Agra	555	60 1	64 8	76 7	88 1	91 0	93 4	86 0	84 2	84 2	79 4	68 7	61 2	78 1
Meerut	738	56 0	60 1	71 1	82 7	88 4	80 4	85 0	83 2	81 7	74 7	63 5	56 7	74 4
Delhi	718	57 9	62 2	74 1	86 2	91 7	92 2	86 4	81 5	83 9	78 5	67 6	59 6	77 1
Lahore	702	53 0	57 3	69 0	80 9	88 9	93 0	89 1	87 1	84 8	75 7	63 2	54 6	71 7
Multan	420	55 0	59 5	71 6	82 9	91 4	94 9	92 7	90 4	88 0	78 6	67 1	57 7	77 5
Jacobabad	186	57 3	62 4	74 5	85 5	94 2	97 7	95 0	91 6	88 8	79 2	67 5	58 9	79 3
Hyderabad (Sind)	96	63 6	67 1	77 6	86 2	91 6	91 7	88 6	86 0	86 0	82 7	73 4	65 0	79 9
Bikaner	771	59 2	63 6	76 6	88 4	94 1	94 7	90 4	87 3	87 1	82 4	70 5	61 4	79 6
Rajkote	429	66 8	70 0	77 4	85 1	89 2	87 5	81 7	80 6	80 8	80 4	74 1	68 4	78 5
Ahmedabad	163	70 3	74 0	82 7	91 2	92 9	89 4	83 7	83 0	83 5	81 3	78 3	72 9	82 1
PLATEAU STATIONS														
Akola	930	68 5	73 7	81 9	90 1	93 3	86 2	80 6	78 9	79 7	77 9	71 7	66 8	79 2
Jubbulpore	1,327	61 8	66 8	76 5	86 3	91 9	85 7	79 0	78 0	79 0	74 8	66 6	60 3	75 6
Nagpore	1,025	68 8	74 3	82 4	90 6	94 5	86 6	80 4	79 4	80 4	78 4	72 2	67 1	79 6
Raipur	970	67 7	73 6	81 9	90 3	93 6	80 0	79 6	79 0	80 3	78 1	71 5	66 0	79 0
Ahmednagar	2,152	67 1	71 3	77 5	82 5	83 8	79 2	76 2	74 9	71 5	75 1	70 5	67 1	75 0
Poona	1,840	69 8	73 9	80 1	83 9	83 8	78 7	74 9	73 7	74 4	76 2	72 5	68 9	75 9
Sholapur	1,590	72 7	77 7	84 2	88 4	88 9	81 8	78 9	77 7	77 3	72 9	71 6	71 3	79 3
Belgaum	2,539	69 8	73 0	77 5	79 2	78 0	72 8	70 1	69 7	70 4	72 9	70 9	69 3	72 8
Hyderabad (Deccan)	1,690	70 4	77 1	83 1	88 0	90 1	82 6	77 9	77 1	77 4	75 8	72 3	69 1	78 5
Bangalore	3,021	67 5	72 0	76 7	79 9	78 5	71 0	72 0	71 8	71 8	71 8	69 6	67 5	72 8
Bellary	1,476	73 2	79 6	85 6	89 2	89 0	83 4	80 9	80 6	80 2	79 1	75 3	72 5	80 8

Average Monthly and Annual Rainfall at Selected Stations in India.

Stations	Elevation in feet	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov.	Dec	Annual Total
HILL STATIONS														
Shillong	1,920	in	in	in	in	in	in	in	in	in	in	in	in	in
Darjeeling	7,376	0 40	0 81	1 85	1 29	10 06	16 40	13 18	12 79	11 75	6 23	0 98	0 25	82 41
Simla	7,224	0 76	1 09	2 01	1 09	7 83	21 13	31 71	22 08	18 31	5 35	0 21	0 20	121 80
Murree	6,353	3 21	3 07	2 18	2 32	3 71	7 81	18 12	17 87	6 17	1 19	0 41	1 28	67 97
Srinagar	5,201	3 73	1 11	3 96	3 62	2 99	3 11	12 51	13 10	5 01	1 86	1 27	1 37	57 90
Mount Abu	3,945	3 36	4 24	3 10	3 30	2 72	1 77	2 78	1 05	1 18	1 11	0 41	1 08	27 03
Ootacamund	7,327	0 27	0 31	0 15	0 09	0 97	5 59	22 05	21 51	9 58	1 16	0 28	0 21	62 19
Kodaikanal	7,688	0 35	0 38	1 00	3 10	5 93	6 18	5 91	1 70	1 11	8 57	1 00	1 05	10 60
COAST STATIONS														
Karachi	49	0 61	0 30	0 15	0 13	0 03	0 13	3 16	1 77	0 66	0 04	0 16	0 19	7 66
Veraval	18	0 01	0 03	0 00	0 00	0 02	5 31	8 92	7 27	2 10	0 81	0 66	0 16	25 53
Bombay	37	0 12	0 02	0 01	0 05	0 55	20 56	21 56	11 01	10 93	1 76	0 17	0 05	73 99
Ratangiri	110	0 60	0 02	0 05	0 15	1 27	31 32	31 25	20 10	12 53	3 62	0 65	0 06	101 71
Mangalore	65	0 13	0 07	0 11	2 06	7 26	38 17	37 39	22 88	11 09	7 90	1 97	0 50	129 83
Calcut	27	0 17	0 16	0 79	3 70	9 04	36 16	29 36	11 89	7 39	9 12	3 80	1 32	116 20
Negapatam	31	1 15	0 72	0 32	1 02	1 81	1 30	1 71	3 29	3 55	10 08	15 02	11 23	51 23
Madras	22	0 83	0 28	0 37	0 65	1 96	2 06	3 80	4 06	1 84	10 93	13 30	5 25	48 98
Masulipatam	15	0 17	0 16	0 26	0 40	1 34	1 33	5 67	6 09	6 56	8 36	1 43	0 53	38 30
Gopalpur	21	0 23	0 43	0 56	0 73	2 01	5 76	6 11	7 20	6 86	9 84	3 50	0 72	13 95
Rangoon	57	0 11	0 23	0 16	1 71	11 73	18 30	21 37	10 65	15 89	7 12	2 52	0 07	98 89

Average Monthly and Annual Rainfall at Selected Stations in India

Stations	Elevation in feet	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Total.
STATIONS ON THE PLAINS														
Tongoo	183	0 00	0 12	0 08	1 90	6 43	13 63	17 48	18 53	11 46	6 95	1 25	0 16	78 05
Mandlay	250	0 06	0 08	0 21	1 19	5 26	5 71	10 26	11 19	6 21	1 54	1 67	0 28	32 63
Silchar	104	0 04	2 32	7 93	13 56	15 72	20 39	10 38	18 09	13 93	6 10	1 31	0 54	121 43
Calcutta	21	0 29	1 02	1 14	1 54	5 60	11 04	12 31	12 69	10 10	3 87	0 62	0 31	60 83
Burdwan	99	0 38	0 89	1 21	2 20	5 56	10 17	12 32	11 19	8 59	3 92	0 61	0 13	57 54
Patna	183	0 72	0 53	0 35	0 30	1 70	7 76	11 11	10 72	7 82	2 89	0 20	0 14	44 51
Benares	267	0 71	0 51	0 33	0 15	0 56	5 15	12 54	11 19	6 54	2 24	0 17	0 17	40 59
Allahabad	309	0 82	0 18	0 38	0 11	0 29	5 09	12 21	10 88	6 32	2 40	0 25	0 23	39 52
Lucknow	268	0 90	0 45	0 32	0 11	0 91	5 34	11 39	11 22	6 61	1 33	0 08	0 14	39 20
Agra	555	0 55	0 33	0 25	0 16	0 64	2 84	9 67	7 11	4 11	0 39	0 06	0 20	26 70
Meerut	738	1 05	0 83	0 63	0 34	0 70	3 60	9 37	7 64	1 55	0 43	0 08	0 40	29 62
Delhi	718	1 05	0 67	0 67	0 35	0 71	3 18	8 38	7 14	4 12	0 39	0 10	0 13	27 70
Lahore	702	0 87	1 13	0 89	0 51	0 80	1 86	6 65	4 88	2 10	0 43	0 11	0 17	20 70
Multan	420	0 39	0 36	0 12	0 27	0 39	0 43	2 19	1 66	0 60	0 07	0 06	0 27	7 11
Jacobabad	186	0 28	0 27	0 25	0 17	0 15	0 10	1 18	1 25	0 10	0 01	0 10	0 15	4 10
Hyderabad (Sind)	96	0 24	0 22	0 10	0 07	0 11	0 11	2 61	2 77	0 64	0 00	0 10	0 05	7 52
Bikaner	771	0 38	0 21	0 18	0 14	0 84	1 65	3 20	3 14	1 08	0 09	0 06	0 18	11 27
Rajkote	429	0 05	0 10	0 01	0 01	0 31	5 21	10 89	6 41	3 75	0 67	0 33	0 06	27 80
Ahmedabad	163	0 02	0 10	0 01	0 03	0 46	3 94	11 19	8 26	4 42	0 55	0 19	0 05	29 52
PLATEAU STATIONS														
Akola	930	0 15	0 18	0 13	0 16	0 31	5 12	8 74	6 48	6 24	2 14	0 14	0 58	31 27
Jubbulpore	1,227	0 72	0 52	0 18	0 22	0 17	8 53	18 82	15 13	8 38	1 55	0 77	0 20	55 45
Nagpore	1,025	0 58	0 42	0 57	0 46	0 68	5 44	13 19	9 79	8 11	2 14	0 51	0 15	45 02
Raipur	970	0 30	0 33	0 50	0 50	0 76	9 38	14 94	12 72	7 75	2 09	0 62	0 20	50 27
Ahmednagar	2,152	0 27	0 12	0 15	0 40	1 16	4 73	3 03	3 00	0 75	3 12	0 89	0 14	24 66
Poona	1,840	0 18	0 05	0 11	0 58	1 45	5 35	6 90	4 03	4 19	1 11	0 85	0 20	28 26
Sholapur	1,500	0 06	0 08	0 20	0 63	1 09	4 11	4 19	5 12	3 63	3 63	0 87	0 30	28 74
Belgaum	2,539	0 06	0 03	0 19	2 05	2 73	9 32	15 37	9 15	4 05	5 09	1 33	0 24	49 91
Hyderabad (Deccan)	1,600	0 05	0 12	0 67	0 73	0 78	4 14	0 22	6 76	7 10	2 98	1 53	0 17	31 55
Bangalore	3,021	0 06	0 22	0 72	1 19	4 53	3 13	4 13	6 00	7 11	6 71	2 61	0 39	36 83
Bellary	1,475	0 10	0 03	0 42	0 83	1 93	1 84	1 41	2 18	4 12	1 04	1 20	0 20	18 30

MONSOON OF 1933.

The S. W. Monsoon of the year was markedly regular in its incidence and gave good rains well distributed in space and time over the whole country, and more or less in excess of the normal for each month throughout the season. All divisions were well served as also the Sub-divisions severally with the exception of United Provinces and East Central India which returned small deficiencies.

June—The Arabian Sea current incident earlier than usual under the influence of a disturbance rising off the West coast of the Peninsula, was established on the Malabar coast on the 22nd May, and by the end of that month rapidly extended northwards over the Konkan coast and into the Bombay Deccan. Its activity, however, waned during the first week in June and the rainfall was confined to the West coast only upto Ratnagiri and to the Bombay Deccan. The current invigorated once again about the middle of the month under the influence of a low pressure wave moving northwards from Cinara Konkan coast to Guzrat between the 8th and 21st June, carried the monsoon rains further northwards along the West coast and into Guzrat and Rajputana. By the 20th June it had extended into East and North Punjab and by the 22nd into Kashmir and the North West Frontier Province. Under the influence later of two low pressure areas over Bengal and West United Provinces the activity of the current over its own field was maintained to the end of the month.

The Bay monsoon current advancing in the wake of a storm in the Bay of Bengal was incident on the Burma coast during the last week in May. It extended into Assam by the 11th June and over the rest of North East India by the 9th. Under the stimulating action of a depression rising off the Circars Orissa coast on the 12th June and moving north Westwards to Orissa, the activity of this branch was maintained upto the 20th, extending the rains also over the North Madras coast and into the East Central Provinces. In the last week of the month the formation of a depression over Bengal and of a low pressure area over the North West Provinces, influenced widespread rains practically over its whole field of activity, heavy in the neighbourhood of the depressions and causing severe floods in the West United Provinces. Notable heavy excesses were returned by the United Provinces, Punjab, Rajputana, Central India, and Hyderabad, respectively, of 76, 41, 161, 15, and 70 per cent. Averaged over the plains of India, the month's total rainfall was 10.06 inches, 16 per cent in excess.

July—Early in the month the monsoon was confined in the main to Malabar, Kanara, Hyderabad and Burma, and in the hills and submontane districts from Assam to Punjab. The current revived about the 12th July and its activity was fully maintained to the end of the month under the influence of four depressions in the Bay which followed one after another traversing the country north-westwards. Fairly

good rain was gathered generally over the country, specially along and around the tracks of the disturbances. The total rainfall for the month was 12.01 inches which was 2 per cent in excess.

August—For the first two weeks the activity of the currents on both sides was maintained under the influence and movements of two disturbances rising in the Bay, which taking the usual north-westerly course across the central parts of the country, gave widespread and heavy rains along and around their tracks. With the disappearance of these disturbances, the current weakened in the Peninsula, in the central parts of the country and in lower Burma. The formation once again about the 18th August of a low pressure area this time off the West coast and moving northwards, invigorated the Arabian Sea branch keeping it active over the Peninsula to the end of the month. The Bay branch was strengthened after the 20th by a depression which formed over and moved from Bihar to South East Bengal between the 21st and 28th. It gave strong monsoon rains over the field of activity of this branch specially along the track of the disturbance. Notable excesses were returned by Punjab, North West Frontier Province, Rajputana, Bombay, and Mysore, respectively, of 115, 66, 85, 80 and 117 per cent. The total fall for the month averaged over the plains of India was 12.33 inches, 14 per cent in excess of the normal.

September—Both branches continued to remain active during the month stimulated by four disturbances. The first rising off the West coast in the Arabian Sea about the 5th September and moving northwards to the Kathiwar coast by the 12th, strengthened that branch causing widespread rains in the western half of the Peninsula including Guzrat. The other three disturbances rising one after another in the Bay after the 7th kept that branch in active vigour to the end of the month, giving widespread rains practically over the whole country. Notable heavy excesses were returned by Punjab, North West Frontier Province, Sind, Bombay, Central India, and Central Provinces, respectively, of 163, 134, 98, 61, 11 and 72 per cent. The total rainfall for the month was 8.85 inches, 20 per cent in excess of the normal.

October—During the month conditions determining the recession of the S. W. Monsoon current were evident. Early in the month thunderstorms prevailed in North East India and later upto the 11th over most of the Peninsula. A storm which formed in the Bay and a depression in the Arabian Sea about the 12th temporarily revived the currents upto the 22nd and determined widespread rains in the Peninsula, the central parts of the country, the United Provinces and North East India. For the rest of the month fairly good rains were gathered over the south of the Peninsula, and on the south Burma coast. The incursions of a Western disturbance about the middle of

the month and another about the 25th, which passing eastwards through Kashmir and giving widespread rains in Kashmir and the North West Frontier Province heralded the retreat of the S. W. Monsoon and the establishment of the N. E. Monsoon. Notable excesses of rainfall were returned by the United Provinces, Central India, Hyderabad, and Mysore, respectively, of 131, 51, 45, and 53 per cent. Aver-

aged over the plains of India the total fall for the month was 3.61 inches which was 6 per cent in excess.

The total rainfall for the season—June to September—averaged over the plains of India was 15.7 inches which was 12 per cent in excess. The following table gives detailed information of the season and rainfall of the period.

DIVISIONS	RAINFALL, JUNE TO SEPTEMBER, 1933			
	Actual	Normal	Departure from Normal	Percentage Departure from Normal
	Inches	Inches	Inches	
Burma	81.7	83.9	-2.2	-3
Assam	59.5	61.1	-1.6	-3
Bengal	67.8	60.6	+7.2	+12
Bihar and Orissa	47.9	45.1	+2.8	+6
United Provinces	36.6	36.1	+0.5	+1
Punjab	24.6	14.0	+10.6	+76
North-West Frontier Province	6.7	5.0	+1.7	+34
Sind	10.9	1.7	+9.2	+132
Rajputana	27.3	18.1	+9.2	+51
Bombay	43.8	33.9	+9.9	+29
Central India	38.9	33.8	+5.1	+15
Central Provinces	50.1	40.8	+9.3	+23
Hyderabad	30.9	26.2	+4.7	+18
Mysore	19.8	15.5	+4.3	+28
Madras	28.1	26.0	+2.1	+8
Mean of India	43.7	39.1	+4.6	+12

Famine.

To the student of Indian administration nothing is more remarkable than the manner in which great problems arise, produce a corresponding outburst of official activity to meet them and then fall into the background. This general truth is illustrated by a study of the history of famine in India. For nearly forty years it was the bogey of the Indian administrator. The forecasts of the rains were studied with acute anxiety. The actual progress of the rains was followed with no less anxiety, and at the first signs of a bad or poor season the famine relief machinery was furnished up and prepared for any emergency. The reason for this is clear if we examine for a brief space the economic condition of the Indian peasantry. Nearly three quarters of the people are directly dependent on agriculture for their daily bread. Very much of this agriculture is dependent on the seasonal rains for its existence. Immense areas in the Bombay Presidency, Madras, the United Provinces and Central India are in a region of erratic and uncertain rainfall. The rainy season is short and if for any natural reason there is a weakness, or absence, of the rain-bearing currents, then there is either a poor harvest or no harvest at all. In Western lands everyone is acquainted with the difference between a good and a poor season, but western countries offer no parallel to India, where in an exceptionally bad year wide tracts of thickly populated land may not produce even a blade of grass. In the old days there were no railways to distribute the surplus of one part of India to the districts where the crop had failed. There were often no roads. The irrigation works were few and were themselves generally dependent on the rainfall for their reserves. The people lived from hand to mouth and had no store of food to fall back upon. Nor had they any credit. In the old days then they died. Commencing with the Orissa famine in 1865-67 the Government of India assumed responsibility for the saving of human life in such crises. After the famine of 1899-1900 this responsibility was also shouldered by the Indian States. Stage by stage this responsibility was expressed in the evolution of a remarkable system of famine relief covering the whole field. But now that machinery has reached a remarkable degree of perfection, it is rusting in the official armouries, because the conditions have changed. The whole of India is covered with a network of railways, which distributes the produce of the soil to the centres where food is required. The extension of irrigation has enormously increased the product of the soil and rendered large areas much less dependent on the monsoon rainfall. At the same time the scientific study of the problems of Indian agriculture has raised the capacity of even the "dry" zones. The peasantry has accumulated a certain reserve against the rainless days from the prosperity which accompanied the period of high prices. The rapid spread of the co-operative credit movement has mobilised and strengthened rural credit. The spread of manufacturing enterprise has

lightened the pressure on the soil. The relation of famine to the question of Indian administration has therefore changed. In an exceptionally bad year it may create administrative difficulties, it has ceased to be an administrative and social problem.

Famine under Native Rule

Famines were frequent under Native rule, and frightful when they came. "In 1630," says Sir William Hunter, in the History of British India, "a calamity fell upon Gujarat which enables us to realise the terrible meaning of the word famine in India under Native rule. Whole cities and districts were left bare of inhabitants." In 1631 a Dutch merchant reported that only eleven of the 260 families at Swally survived. He found the road thence to Surat covered with bodies decaying on the highway where they died, there being none to bury them. In Surat, that great and crowded city, he could hardly see any living persons, but "the corpses at the corner of the streets lie twenty together, nobody burying them. Thirty thousand had perished in the town alone. Pestilence followed famine." Further historical evidence was adduced by Sir Theodore Morrison in his volume on the Economic Transition of India. It has come to be seen that whilst railways have checked the old-fashioned practice of storing grain in the villages they have made the reserves, where they exist, available for the whole of India. In India there is now no such thing as a food famine, the country always produces enough food for the whole of the population, famine when it comes is a money famine and the task of the State is confined to providing the means for those affected by drought to earn enough to buy food. The machinery whereby this is done will be examined after we have seen the experiences through which it was evolved.

History of Recent Famines

The Orissa famine of 1865-67 may be taken as the starting point because that induced to first great and organised effort to combat distress through State agency. It affected 180,000 square miles and 47,500,000 people. The Bengal Government was a little slow in appreciating the need for action, but late food was poured into the district in prodigious quantities. Thirty-five million units were relieved (a unit is one person supported for one day) at a cost 95 lakhs. The mortality was very heavy, and it is estimated that a million people or one-third of the population, died in Orissa alone. This was followed by the Madras famine of 1866, and the famine in Western India of 1868-70. The latter famine introduced India to the great migration from Marwar which was such a distinguishing feature of the famine of 1899-1900. It is estimated that out of a total population of a million and a half in Marwar, one million emigrated. There was famine in Behar in 1873-74, then came the great South Indian Famine of 1876-78. This affected Madras, Mysore, Hyderabad and Bombay for

two years and in the second year extended to parts of the Central and United Provinces and to a small tract in the Punjab. The total area affected was 257,000 square miles and the population 58,500,000. Warned by the excessive expenditure in Behar and actuated by the desire to secure economy the Government relief programme was not entirely successful. The excess mortality in this famine is said to have been 5,250,000 in British territory alone. Throughout British India 700,000,000 units were relieved at a cost of Rs 8½ crores. Charitable contributions from Great Britain and the Colonies aggregated Rs 84 lakhs.

The Famine Codes

The experiences of this famine showed the necessity of placing relief on an organised basis. The first great Famine Commission which sat under the presidency of Sir Richard Strachey, elaborated the Famine Codes, which amended to meet later experience, form the basis of the famine relief system to day. They recommended (1) that employment should be given on the relief works to the able-bodied, at a wage sufficient for support, on the condition of performing a suitable task, and (2) that gratuitous relief should be given in their villages or in poor houses to those who are unable to work. They recommended that the food supply should be left to private agency, except where that was unequivalent to the demands upon it. They advised that the land owning classes should be assisted by loans, and by general suspensions of revenue in proportion to the crop failure. In sending a Famine Code to the provincial governments, the Government of India laid down as the cardinal feature of their policy that the famine wage "is the lowest amount sufficient to maintain health under given circumstances. Whilst the duty of Government is to save life, it is not bound to maintain the labouring population at its normal level of comfort." Provincial codes were drawn up, and were tested by the famine of 1896-97. In that 307,000 square miles were affected, with a population of 69,500,000. The numbers relieved exceeded 4,000,000 at the time of greatest distress. The cost of famine relief was Rs 7½ crores, revenue was remitted to the extent of Rs 1½ crore, and loans given aggregating Rs 1½ crore. The charitable relief fund amounted to about Rs 1½ crore, of which Rs 1½ crore was subscribed in the United Kingdom. The actual famine mortality in British India was estimated at 750,000. The experiences of this famine were examined by a Commission under Sir James Lyall, which reported that the success attained in saving life and the relief of distress was greater than had ever been recorded in famines, comparable with it in severity, and that the expense was moderate. But before the Local Governments had been given time to digest the proposals of this Commission or the people to recover from the shock, the great famine of 1899-1900 supervened.

The Famine of 1899-1900

This famine affected 475,000 square miles with a population of 59,500,000. In the Central Provinces, Berar, Bombay, Ajmer, and the Hissar district of the Punjab famine was acute. It was intense in Rajputana, Baroda, Central

India, Hyderabad and Kathiawar. It was marked by several distinctive features. The rainfall over the whole of India was in defect, being eleven inches below the mean. In several localities there was practically no rain. There was in consequence a great food famine, with a terrible mortality among the cattle. The water supply was deficient and brought a crop of difficulties in its train. Then districts like Gujarat, where famine had been unknown for so many years that the people was thought to be famine immune, were affected, the people here being softened by prosperity, clung to their villages, in the hope of saving their cattle, and came within the scope of the relief works when it was too late to save life. A very large area in the Indian States was affected, and the Marwaris swept from their impoverished land right through Central India like a horde of locusts, leaving desolation in their train. For these reasons relief had to be given on an unprecedented scale. At the end of July 4,500,000 persons were supported by the State, Rs. 10 crore were spent on relief, and the total cost was estimated at Rs 15 crores. The famine was also marked by a widespread acceptance by Indian States of the duty hitherto shouldered by the Government of India alone—the supreme responsibility of saving human life. Aside by loans to the extent of Rs 3½ crores, the Indian States did a great deal to bring the administration into line with that in British India. Although actual deaths from starvation were insignificant, the extensive outbreak of cholera and the devastating epidemic of malaria which followed the advent of the rain induced a famine mortality of approximately a million. The experiences of this famine were collated by the Commission presided over by Sir Antony MacDonnell. This Commission reported that taking the famine period as a whole the relief given was excessive, and laid down certain modified lines. The cardinal feature of their policy was moral strategy. Pointing out that if the people were assisted at the start they would help themselves, while if their condition were allowed to deteriorate it proceeded on a declining scale, they placed in the forefront of their programme the necessity of "putting heart into the people." The machinery suggested for this purpose was the prompt and liberal distribution of temporary loans, the early suspension of revenue, and a policy of prudent boldness, starting from the preparation of a large and expansive plan of relief and secured by liberal preparations, constant vigilance, and a full enlistment of non-official help. The wage scale was revised, the minimum wage was abolished in the case of able-bodied workers, payments by results were recommended, and proposals were made for saving cattle.

The modern system

The Government of India are now in possession of complete machinery to combat the effects of drought. In ordinary times Government is kept informed of the meteorological conditions and the state of the crops, programmes of suitable relief works are kept up-to-date, the country is mapped into relief circles, reserves of tools and plant are stock-

If the rains fail, policy is at once declared, non-officials are enlisted, revenue suspended and loans for agricultural purposes made. Fest works are then opened, and if labour in considerable quantities is attracted, they are converted into relief works on Code principles. Poor houses are opened and gratuitous relief given to the infirm. On the advent of the rains the people are moved from the large works to small works near their villages, liberal advances are made to agriculturists for the purchase of plough, cattle and seed. When the principal autumn crop is ripe, the few remaining works are gradually closed and gratuitous relief ceases. All this time the medical staff is kept in readiness to deal with cholera which so often accompanies famine, and malaria, which generally supervenes when the rains break.

Famine Protection

Side by side with the perfection of the machinery for the relief of famine has gone the development of famine protection. The Famine Commission of 1880 stated that the best, and often the only means of securing protection from the extreme effects of famine and drought, are railways and irrigation. These are of two classes, productive and protective. Productive works being estimated to yield profits which will pay interest and sinking fund charges are met from loans, protective works, which do not pay, directly from revenue. In order to guarantee that there should be continuous progress with protective works, the Famine Insurance Grant was instituted in 1876. It was decided to set apart from the general revenues Rs 1½ crores annually or one million sterling. The first charge on this grant is famine relief, the second protective works, the third the avoidance of debt. The chain of protective railways is now practically complete. Great progress is being made with protective irrigation. Acting on the advice of the Irrigation Commission an elaborate programme of protective irrigation works has been constructed, particularly in the Bombay Deccan—the most famine-susceptible district in India—and in the Central Provinces.

Under the Statutory Rules framed under the Government of India Act of 1919, Provincial Governments (except Burma and Assam) are required to contribute from their resources a fixed sum every year for expenditure on famine. These annual assignments can be expended on relief of famine only, the sum not required for this purpose is utilised in building up a Famine Relief Fund. The Fund provides, as its main and primary object, for expenditure on Famine Relief proper, the word "Famine" being held to cover famine due to drought or other natural calamities. The balance at the credit of the Fund is regarded as invested with the Governor-General in Council and is available for expenditure on famine, when necessary and, under certain restrictions, on protective and other works for relief of famine.

The Outlook

Such in brief is the official programme and organisation which has been built up out of the experience and practice of the past. Yet everything goes to show that Government activity to save human life will never be

wanted in the future on the colossal scale of former times, even so recently as 1899-1900. Each succeeding failure of the rains indicates that there has been in silent progress an economic revolution in India. In the year 1918 the rains failed more seriously and over a wider area than during any monsoon in the recent history of India. The deficiency in the rainfall was more marked than in the great famine of 1899. Yet such was the increased resisting power of the people that instead of a demand for State relief from over five millions, the maximum number at any time in receipt of public assistance was never so large as six hundred thousand. The shock to the social life of the community was insignificant, the effects of the drought completely disappeared with the good rains of the following year.

Increased Resisting Power

The causes of this economic change in the conditions of India, whose influence is widespread are many. We can only briefly indicate them here. There is a much greater mobility in Indian labour. Formerly when the rains failed the ryot clung to his village until State relief in one form or another was brought almost to his doors. Now at the first sign of the failure of the rains he girds up his loins and goes in search of employment in one of the industrial centres, where the supply of labour is, when general economic conditions are normal, rarely equal to the demand, or on the constructional works which are always in progress either through State or private agency in the country. Then the ryot generally commands some store of value, often misnamed a hoard. The balance of exports in favour of India in normal times is approximately £50 millions a year. The gold and silver bullion in which this is largely liquid and is distributed all over the country, in small sums or in ornaments, which can be drawn upon in an emergency. The prodigious coining of rupees during the last two years of the war, and the continuous absorption of gold by India, represent small diffused savings, which take this form owing to the absence of banking institutions and lack of confidence in the banking system. There has been a large extension of irrigation. More than one-third of the land in the Punjab is now under irrigation, and in other Provinces, particularly in the famine-susceptible tracts of the Bombay Deccan irrigation works have been constructed, which break the shock of a failure of the rains. The natural growth of the population was for some years reduced by plague and famine diseases, followed by the great influenza epidemic of 1918-19, which swept off five millions of people. This prevented the increase of congestion, but brought some areas particularly in the Indian States, below their former population supporting capacity. (The 1931 census showed an increase of over 30 million in the population since 1921.) The increase of railways distributes the resources of the country with ease, the spread of the co-operative credit movement has improved rural credit. Finally, there is the considerable development of manufacturing industry, which is generally short of labour and helps to absorb the surplus of a famine year. Whilst the Government is completely equipped with a famine code, there is no reason to suppose that there will ever recur such an emergency as

that of 1899 Famine can now be efficiently met by the liberal distribution of tagavi, the suspension and remission of the land revenue demand, the relief of the aged and others who cannot work, the provision of cheap fodder for the cattle, with possibly some assistance in transporting the affected population of the famine affected tract to the industrial centres

The increased resisting power of the people was effectively demonstrated during the famine of 1920-21, which was due to the failure of the monsoon towards the end of the year 1920. The distress which appeared in the end of 1920 persisted during the early months of 1921 and regular famine was declared in parts of Madras, Bombay, Central Provinces and Baluchistan. Local distress prevailed also in Bengal, Punjab and Central India. The largest number of persons on relief of all kinds did not exceed 0.45 million which was considerably less than 3% of the total population of the area affected by the failure of the monsoon.

The Indian People's Famine Trust

Outside the Government programme there is always scope for private philanthropy especially in the provision of clothes, help for the superior class poor who cannot accept Government aid, and in assisting in the rehabilitation of the cultivators when the rains break. At every great famine large sums have been subscribed, particularly in the United Kingdom, for this purpose, and in 1899-1900 the people of the United States gave generous help. With the idea of providing a permanent famine fund, the Maharaja of Jaipur gave in 1900 a sum of Rs 15 lakhs, in Government securities to be held in trust for the purposes of charitable relief in seasons of general distress.

This Trust in a few years became swollen to Rs 28,10,000 and has ever since been maintained at that figure. It is officially called the Indian People's Famine Trust, and was constituted under the Charitable Endowment Act 1890. The income of the Trust is administered by a board of management consisting of 13 members appointed from different provinces and Indian States, Sir Ernest Burdon, K.T., C.S.I., C.I.E., I.C.S., Auditor-General in India, is the Secretary & Treasurer of the Trust. The original

endowment of Rs 28,10,000 above mentioned is permanently invested and the principal never taken for expenditure. The income from it is utilised for relief work as necessary and unexpended balances are temporarily invested, so as to make available in years of trouble savings accumulated when expenditure is not necessary. The temporary investments—in Government Securities—at the end of 1933 stood at Rs 7,82,751-13 0 and the cash balance at the same time was Rs 41,260 8 0, so that the total available for expenditure at the commencement of 1934 was Rs 8,24,012-5-0.

The whole conditions to meet which the Trust was founded have changed in recent years. This is the result of the improved policy of Government in regard to famine relief and of the difference in the meaning of the word famine in consequence of the improvement of transport communications and other factors affected by modern progress. An area stricken by failure of seasonal rains now obtains supplies from other regions in a manner impossible before the development of railways and of modern marketing practice and Government help its people by loans given direct or through Co-operative Societies to tide them over the period of scarcity. The experience of successive visitations of scarcity in different parts of the country also proves that the general economic progress of the people makes them able to meet temporary periods of stress in a manner formerly unimaginable. Famine in the old terrible sense of the term has in fact ceased to occur. This was well illustrated by the events of 1919, when the land suffered from a failure of the rains more general throughout India and worse in degree than any previously recorded by the Meteorological Department but the crisis was borne with a minimum of suffering. The demands upon the Famine Trust have consequently so greatly diminished in their original sense that hardly any money is now distributed from it for the relief of famine in the proper sense of the word, resulting from rain failure and expenditure has mainly become grants of assistance to sufferers from floods. The total expenditure upon real famine in the old sense was only Rs 50,000 during the year 1929, while expenditure on relief of distress caused by floods was Rs 4,75,000 in the same year. The terms of the Trust fortunately, permit of management on lines according with modern needs.

The following statement shows the income and expenditure of the Trust during the past twenty three years, the figures at the end of 1931 being the latest available for a complete year.

Year	Income	EXPENDITURE										Total Expenditure
		Madras	Punjab	Bombay	Amreli and Mehsana	Bihar and Orissa	United Provinces	Bihar	Central Provinces	Assam	Andhra State	
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
1911	1,17,652											1,17,652
1912	1,45,537			1,06,000								1,45,537
1913	1,21,635			23,500								1,21,635
1914	1,22,695											1,22,695
1915	1,24,499											1,24,499
1916	1,29,206											1,29,206
1917	1,56,125											1,56,125
1918	1,26,962											1,26,962
1919	1,34,082	30,500		3,00,000								3,64,582
1920	1,16,917											1,16,917
1921	1,23,221											1,23,221
1922	1,19,825	25,000										1,44,825
1923	1,22,993	(c) — 2,503										1,20,490
1924	1,33,518	1,50,000	45,000									2,28,518
1925	1,21,225	(c) — 179		30,000								1,51,046
1926	1,28,600											1,28,600
1927	1,58,033											1,58,033
1928	1,27,442											1,27,442
1929	1,52,303											1,52,303
1930	1,35,239											1,35,239
1931	1,87,043											1,87,043
1932	1,26,125											1,26,125
1933	1,58,373											1,58,373
	29,40,560	2,02,518	3,20,000	8,42,534	11,000	1,00,000	4,00,937	1,25,000	1,75,000	1,00,000	25,000	21,83,380

(a) Includes a bequest of Rs 26,314

(b) Includes Rs 3,366 refunded from the grant made in 1900 for the maintenance of Rajput and Orphan

(c) Represents refunds from grants made in previous years

(d) Includes Rs 182 and Rs 25,000 refunded from the grants made in 1927 to Bihar and Orissa and Bombay respectively

(e) In addition a sum of Rs 25,000 being the surplus balance of the grant made in 1927 to the Bombay Central Flood Relief Fund was allowed to be transferred to the Bombay Government for relief of distress in Sind

(f) Includes Rs 37,601 transferred from United Provinces Orphan Fund representing its cash balance at the end of 1932-33

The scheme completed, a syndicate secured the license from Government and an endeavour was made to enlist the support of financiers of England who tried to impose terms which were not acceptable. Meanwhile, the attention of Sir George Clarke (now Lord Sydenham), then Governor of Bombay, and an engineer of distinction himself, was drawn to the scheme. The interest shown by him drew the attention of Indian Chiefs in the Presidency of Bombay and outside it to its possibilities, funds flowed in and a company was started.

The hydro-electric engineering works in connection with the project are situated at and about Lonavla above the Bhor Ghat. The rainfall is stored in three lakes at Lonavla, Waluhan and Shirawta, whence it is conveyed in masonry canals to the forebay or receiving reservoir. The power-house is at Khopoli, at the foot of the Ghats, whither the stored water is conveyed through pipes, the fall being one of 1,725 feet. In falling from this height the water develops a pressure of 750 lbs per square inch and with this force drives the turbines or water wheels. The scheme was originally restricted to 30,000 electrical horse power, but the Company, in view of the increasing demand for power from the Bombay mills, decided to extend the works by building the Shirawta Dam, the capacity of the scheme being increased to more than 40,000 electrical horse power. The works were formally opened by H. E. the Governor of Bombay on the 8th February 1915. At present there are about 44 mills with motors of the aggregate b h p of 55,000 h p in service. In addition to the cotton and flour mills which have contracted to take supply from the Company for a period of ten years, an agreement has been completed whereby the Tata Hydro-Electric Company, the Andhra Valley Power Supply Company and the Tata Power Company between them supply the whole of the electric power required by the Bombay Electric Supply and Tramways Company, Limited, and also the power for the electrification of the Harbour Branch and Bombay-Kalyan section of the G I P Railway. There remain many prospective buyers of electrical energy and the completion of the Company's full scheme will not suffice for all such demands. Besides the Bombay cotton mills, which alone would require about 100,000 horse power there are, for instance, tramways, with possibilities of suburban extensions. The probable future demand is roughly estimated at about 160,000 h p. Recently the Company has embarked upon a considerable scheme of extensions, these involving the impounding of a fourth lake at Kundley, near Lonavla, the duplication of the pipeline and the installation of additional machinery at the power house at Khopoli.

Investigations undertaken by Mr H. P. Gibbs with a view to further developing the electrical supply led to the discovery of a highly promising water storage site in the valley of the Andhra river, situated near the present lakes previously overlooked, as altogether different treatment and design were required. In this instance the draw off point is 11 miles upstream from the dam and at a level 112 ft above the lowest river bed level at the

dam. The water is taken through a tunnel 8,700 ft long driven in solid trap rock through the scarp of the ghats of which the pressure pipes are an extension. Seventy feet of the upper water in the lake can be drawn off comprising 75 per cent of the total amount of water stored both above and below draw off level. A scheme was prepared to be carried out by a separate company and providing for holding up the Andhra river by a dam, about a third of a mile long and 192 feet high, at Tenervadi. This dam holds up a lake nearly twelve miles long, the further end of which approaches the brink of the Ghats at Khand. Here, a tunnel, a mile and a quarter long, carries the water to the surge chamber, whence it enters the pipes for a vertical drop of about 1,750 feet to the generating station at Bhivpur, about 17 miles from the generating station at Khopoli. The scheme is designed to yield 100,000 horse power in its full development. Power is being supplied to some thirty factories in Bombay absorbing roughly 40,000 electrical horse-power, as well as to the Bombay Electric Supply and Tramways Company and to the G I P Railway for the first stage of their electrification scheme.

Just as the Andhra project has been developed as a northward extension of the original scheme, so a southward development also originated by Mr Gibbs and developable on lines similar to those of the Andhra project is now practically completed under the name of the Nila-Mula scheme, the name arising from the fact that the valleys of the Nila and Mula rivers are being dammed for the conservation of water for it. A company entitled The Tata Power Co., Ltd., was floated in the autumn of 1919.

A lake having an area of sixteen square miles and a catchment area of 112 square miles has been formed at Mulshi by the erection of a masonry dam 4,100 feet in length and 158 feet in height. At the end of the lake opposite to the site of the dam, a tunnel has been cut through the Western Ghats to a total length of 14,500 feet, at the further end of which the water enters the pipe line and descends to the turbine power house at Bhura, 1,750 feet below. The head of water is sufficient to generate 150,000 electrical horse power at 11,000 volts, and after being transformed up to 110,000 volts the current is transmitted to the receiving station at Dharavi, Bombay, through an overhead line approximately 80 miles in length. Five generating units each of 30,000 electrical horse-power are being erected, and of these two are already in commercial operation. The power will be absorbed by mills, factories and local area not yet electrified in Bombay and suburbs as well as by the B B & C I Railway's suburban service, the G I P Railway's electrified service within thirty miles of Bombay and the evergrowing needs of the B I S & T Company.

Nearly 100 miles southward of this Messrs Tata propose to erect two dams in the huge valley of the Koyna river, proposed by Mr A. T. Arnall and developable on lines similar to the two projects by Mr Gibbs above mentioned, partly to supply power to Bombay and partly to develop a great assembly of electro-chemical industries near the power installation. The prelimi-

nary investigations for this scheme are still proceeding. The catchment area for the lake will be 340 square miles and there will be a total storage after the rains of 112,600 million cubic feet, which will be sufficient to supply a normal load of 350,000 horse power for 8,000 hours per year. The preliminary estimates provided for a capital of Rs 810 lakhs to carry out the scheme.

Mysore Installation

The first hydro electric scheme undertaken in India, or, indeed, in the East, was that on the River Cauvery, in Mysore State, which was inaugurated, with generating works at Sivasamudram, in 1902. The Cauvery rises in the British district of Coorg, and flows right across Mysore. The first object with which the installation was undertaken was the supply of power to the goldfields at Kolar. These are 92 miles distant from Sivasamudram and for a long time this was the longest electrical power transmission line in the world. Current is also sent to Bangalore, 59 miles away, where it is used for both industrial and lighting purposes.

The initial undertaking has constantly been expanded since its inauguration, so that its total capacity, which was at first 6,000 horse power, is now approximately 25,000 h p. This is the maximum obtainable with the water which the Cauvery affords and, therefore, with the number of consumers, large and small, rapidly increasing, the necessity of a completely new installation elsewhere, to be operated in parallel with or separately from that at Sivasamudram, has been recognised. Two projects offer themselves. The first would involve the use of the River Shimsha, a tributary of the Cauvery which has natural falls, and the second, known as the Mekadatu project, would have its power house on the Cauvery, 25 miles down-river from Sivasamudram and just within the borders of Mysore State, adjacent to the Madras Presidency. The head of water available at Sivasamudram is 400 feet, that on the Shimsha 618 feet net, which would generate 39,500 e h p. At Mekadatu the Cauvery runs in rapids and a dam and a channel 20,000 feet long with a 22½ feet bed would be necessary. There would be three generating units, each giving an output of 4,000 e h p. Future extensions yielding an additional 8,000 h p could be made. The progressive spirit which has marked the management of the works since their inception now characterises the manner in which the problem of further extensions are being considered.

Works in Kashmir

A scheme of much importance from its size, but more interesting because of the developments that may be expected from it than for the part which its current supply already plays in the life of the countryside, is one installed a few years ago by the Kashmir Durbar, utilising the River Jhelum, near Baramulla, which lies thirty-four miles north-west of Srinagar. The head works of the Jhelum power installation are situated six and a half miles from the power

house and the main connection between the two is a great timber flume. These works and the forebay at the delivery end of the flume have a capacity for carrying water sufficient for the generation of 20,000 electrical horse power. Four pipes 600 feet long lead from the forebay to the power house, and from forebay to water-wheel there is an effective head of 39½ feet. There are four vertical waterwheels, each coupled on the same shaft to a 1,000 k w, 3 phase, 2,300 volt, 25 period generator running at 500 r p m, and each unit is capable of taking a 25 per cent overload, which the generator end is guaranteed to maintain with safety for two hours. The power house is of sufficient capacity to allow of 15,000 k w generating plant being installed within it. Two transmission lines run side by side as far as Baramulla, 21 miles distant, at which point one terminates. The other continues to Srinagar, a further 34 miles. The installation at Baramulla was originally utilised for three floating dredgers and two floating derricks, for dredging the river and draining the swampy countryside and rendering it available for cultivation, but these operations have temporarily been curtailed, so that only one dredger is now in operation. The lighting of Baramulla has been taken in hand with satisfactory results and it is expected that the lighting demand will rapidly increase and that a small demand for power will soon spring up. At Srinagar, the line terminates at the State silk factory, where current is supplied not only for driving machinery and for lighting, but for heating. The greater part of Srinagar city is now electrically lighted and during the past year a motor load of over 100 k w has been connected with the mains, motors being hired out to consumers by the Electrical Department. This step was taken with a view to educating the people in the use of electric power and it has been entirely successful.

Recent Progress

Apart from the development of the three projects in the Bombay Presidency the past few years have witnessed comparatively little progress in hydro electric works. The Mandi Project in the Punjab, which utilises the water of the Uhl river for the generation of power with which a large number of towns in that province will be electrified came into operation in 1933. The scheme has been formulated in three stages. The first is to develop 48,000 horse-power from the ordinary discharge of the river, the second involves the formation of a storage reservoir by the construction of a dam and would double the electrical output, whilst the third would utilize the same water several miles down stream and provide an additional 64,000 horse-power. Only the first stage is at present constructed. Another interesting project is the hydro electric grid scheme in the United Provinces which will carry electric power to a large number of towns and villages and will, it is anticipated, assist greatly in the development of rural areas.

A small plant was completed and put into operation at Naini Tal during 1923, and the erection of another small plant was commenced

at Shillong, but otherwise there is nothing to record. It is interesting to note, however, that preliminary investigations are proceeding with a view to the erection of hydro electric plants in various parts of India. In the tea districts of Kalmpong and Kurseong, for example, it is proposed to harness a promising water power site and to supply current to an important area in which are situated more than two hundred tea factories.

The Suttie Hydro Electric Project at one time appeared to be one of the most promising propositions in the country, but owing to financial considerations it has now been indefinitely shelved. In Southern India a large number of sites have been investigated, and of these one on the Palara river in the Nilgiris and another on the Kallar river on the borders of Travancore have been selected for development if and when the financial considerations can be satisfactorily settled. The Palara river scheme is of some magnitude and it is estimated that upwards of 50,000 horsepower will be available for electro-chemical industry. It is proposed to establish a plant on the West Coast. The Kallar river project is very much smaller, but it is interesting in being a scheme in which the Government of Madras and the Travancore Darbar will be jointly responsible, for the power house will be located on the British side of the river and the current

transmitted to and distributed in Travancore State. Finally, there is a big combined project of hydro electrification and irrigation in Hyderabad State. This scheme is still very much in the air, but the fact that it is under consideration is worthy of being placed on record in view of the somewhat unusual circumstance in India, that the tail water from the turbine will be made available for agricultural purposes and not allowed to run to waste.

The fact that the Bombay Electric Supply and Tramways Company has shut down its steam driven generating plant and now takes its supply in bulk from the various Electric Companies has been recorded above, and it is of more than passing interest to note that the Poona Electric Supply Company has recently adopted a similar course. This is a phase of hydro electric distribution which is quite in its infancy in India, but it is possible to foresee the time when every village within a couple of hundred miles of a hydro electric power station will receive its supply of electric current in bulk, thus greatly reducing capital and administrative charges and minimizing the price of current to the consumer. It is a system which has become something of a fad in California, where current is transmitted by overhead wires for many hundreds of miles at a pressure of 200,000 volts, or double the pressure commonly employed in India for overhead long distance transmission.

INTEREST TABLE

From 5 to 12 per cent. on Rupees 100

Calculated for 1 Year, 1 Month (Calendar), 1 Week, and 1 Day (365 Days to a Year),
the Decimal Fraction of a Pie for the Day being shown for the Day

Per cent.	1 Day	1 Week	1 Month	1 Year
	Rs A P	Rs A P	Rs A P	Rs A P
5	0 0 2 630	0 1 6	0 6 8	5 0 0
6	0 0 3 150	0 1 10	0 8 0	6 0 0
7	0 0 3 682	0 2 1	0 9 4	7 0 0
8	0 0 4 208	0 2 5	0 10 8	8 0 0
9	0 0 4 734	0 2 9	0 12 0	9 0 0
10	0 0 5 260	0 3 0	0 13 4	10 0 0
11	0 0 5 786	0 3 4	0 14 8	11 0 0
12	0 0 6 312	0 3 8	1 0 0	12 0 0

Local Self-Government.

A field of the administration of India profoundly affected by the Reforms of 1919 is that of local government. This is one of the subjects transferred to Indian ministers, and under their leadership considerable developments have been essayed. On the whole, the progress of local government in India for the past quarter of a century has been disappointing. The greatest successes have been won in the Presidency towns, and particularly by the Municipality of Bombay. The difficulties in the way of progress were manifest. Local government had to be a creation—the devolution of authority from the Government to the local body, and that to a people who for centuries had been accustomed to autocratic administration. Again, the power entrusted to local bodies were insignificant and the financial support was small. There are however many indications that the dry bones of the moribund are stirring.

Throughout the greater part of India, the village constitutes the primary territorial unit of Government organisation, and from the villages are built up the larger administrative titles—*talukhs*, sub-divisions, and districts.

The typical Indian village has its central residential site, with an open space for a pond and a cattle stand. Stretching around this nucleus lie the village lands, consisting of a cultivated area and (very often) grounds for grazing and wood cutting. The inhabitants of such a village pass their life in the midst of these simple surroundings, welded together in a little community with its own organisation and government, which differ in character in the various types of villages, its body of detailed customary rules and its little staff of functionaries, artisans and traders. It should be noted, however, that in certain portions of India, e.g., in the greater part of Assam, in Eastern Bengal, and on the west coast of the Madras Presidency, the village as here described does not exist, the people living in small collections of houses or in separate homesteads—(*Gazetteer of India*).

The villages above described fall under two main classes, viz—

Types of Villages—“(1) The ‘severalty’ or *raiayatwari* village which is the prevalent form outside Northern India. Here the revenue is assessed on individual cultivators. There is no joint responsibility among the villagers, though some of the non-cultivated lands may be set apart for a common purpose, such as grazing, and waste land may be brought under the plough only with the permission of the Revenue authorities, and on payment of assessment. The village government vests in a hereditary headman, known by an old vernacular name, such as *patel* or *reddi*, who is responsible for law and order, and for the collection of the Government revenue. He represents the primitive headship of the tribe or clan by which the village was originally settled.”

“(2) The joint or landlord village, the type prevalent in the United Provinces, the Punjab and the Frontier Province. Here the revenue was formerly assessed on the village as a whole, its incidence being distributed by the body of superior proprietors, and a certain amount of collective responsibility still, as a rule, remains

The village sites owned by the proprietary body who allow a right of use to the tenants, artisans, traders and others. The waste land is allotted to the village, and, if wanted for cultivation, is partitioned among the share-holders. The village government was originally by the *punchayat* or group of heads of superior families. In later times one or more headmen have been added to the organisation to represent the village in its dealings with the local authorities, but the artificial character of this appointment, as compared with that which obtains in a truly *raiayatwari* village is evidenced by the title of its holder, which is generally *lanbhardar*, a vernacular derivative from the English word ‘numbr’. It is this type of village to which the well-known description in Sir H. Maine’s *Village Communities* is alone applicable, and here the co-proprietors are in general a local oligarchy with the bulk of the village population as tenants of labourers under them.”

Village Autonomy—The Indian villages formerly possessed a large degree of local autonomy, since the native dynasties and their local representatives did not, as a rule, concern themselves with the individual cultivators, but regarded the village as a whole, or some large landholder is responsible for the payment of the Government revenues, and the maintenance of local order. This autonomy has now disappeared owing to the establishment of local, civil and criminal courts, the present revenue and police organisation, the increase of communications, the growth of individualism, and the operation of the individual *raiayatwari* system, which is extending even in the north of India. Nevertheless, the village remains the first unit of administration, the principal village functionaries—the headman, the accountant and the village watchman—are largely utilised and paid by Government, and there is still a certain amount of common village feeling and interests.

Punchayets—For some years there was an active propaganda in favour of reviving the village council tribunal, or *Punchayat*, and the Decentralisation Commission of 1908 made the following special recommendations—

“While, therefore, we desire the development of a *punchayat* system, and consider that the objections urged thereto are far from insurmountable, we recognise that such a system can only be gradually and tentatively applied, and that it is impossible to suggest any uniform and definite method of procedure. We think that a commencement should be made by giving certain limited powers to *Punchayets* in those villages in which circumstances are most favourable by reason of homogeneity, natural intelligence, and freedom from internal feuds. These powers might be increased gradually as results warrant, and with success here, it will become easier to apply the system in other villages. Such a policy, which must be the work of many years, will require great care and discretion, much patience, and judicious discrimination between the circumstances of different villages, and there is a considerable consensus of opinion that this new departure should be made under the special guidance of sympathetic officers.”

This is, however, still mainly a question of future possibilities, and for present purposes it is unnecessary to refer at greater length to the subject of village self-government. Various measures have been passed, but it is too early to say what life they have. The Punjab Government has passed a Village Panchayat Act, which enables Government to establish in a village, a system of councillors to whom certain local matters, including judicial power, both civil and criminal of a minor character, may be assigned. In Bihar a Village Administration Act has been passed for the administration of village affairs by villagers themselves, including minor civil and criminal cases. Other Governments are taking steps in the same direction.

Municipalities—The Presidency towns had some form of Municipal administration, first under Royal Charters and later under statute from comparatively early times, but outside of them there was practically no attempt at municipal legislation before 1842. An Act passed in that year for Bengal, which was practically inoperative, was followed in 1850 by an Act applying to the whole of India. Under this Act and subsequent Provincial Acts a large number of municipalities was formed in all provinces. The Acts provided for the appointment of commissioners to manage municipal affairs, and authorised the levy of various taxes, but in most Provinces the commissioners were all nominated, and from the point of view of self-government, these Acts did not proceed far. It was not until after 1870 that much progress was made. Lord Mayo's Government, in their Resolution of that year introducing the system of provincial finance, referred to the necessity of taking further steps to bring local interest and supervision to bear on the management of funds devoted to education, sanitation, medical, charity, and local public works. New Municipal Acts were passed for the various Provinces between 1871 and 1874, which, among other things, extended to the elective principle, but only in the Central Provinces was popular representation generally and successfully introduced. In 1881-2 Lord Ripon's Government issued orders which had the effect of greatly extending the principle of local self-government. Acts were passed in 1883-4 that greatly altered the constitution, powers, and functions of municipal bodies, a wide extension being given to the elective system, while independence and responsibility were conferred on the committees of many towns by permitting them to elect a private citizen as chairman. Arrangements were made also to increase municipal resources and financial responsibility, some items of provincial revenue suited to and capable of development under local management being transferred, with a proportionate amount of provincial expenditure, for local objects. The general principles thus laid down have continued to govern the administration of municipalities down to the present day.

The Present Position—There are some 781 municipalities in British India, with something over 21 million people resident within their limits. Of these municipalities, roughly 710 have a population of less than 50,000 persons and the remainder a population of 50,000 and over. As compared with the total population of parti-

cular provinces, the proportion resident within municipal limits is largest in Bombay, where it amounts to 20 per cent, and is smallest in Assam where it amounts to only 2 per cent. In other provinces it varies from 4 to 9 per cent of the total population. Turning to the composition of the municipalities, considerably more than half of the total members are elected and there is a steady tendency to increase this proportion. Ex-officio members are only 7 per cent and nominated 25 per cent. Elected members are almost everywhere in a majority. Taking all municipalities together, the non-officials outnumber the officials by nearly six to one. The functions of municipalities are classed under the heads of Public Safety, Health, Convenience and Instruction. For the discharge of these responsibilities, there is a municipal income of Rs 14.03 crores derived principally from taxation, just over one-third coming from municipal property, contributions from provincial revenues and miscellaneous sources. Generally speaking, the income of municipalities is small, the four cities of Calcutta, Bombay, Madras and Rangoon together providing over 40 per cent of the total. The heaviest items of this expenditure come under the heads of "Conservancy" and "Public Works" which amount to 14 per cent and 13 per cent respectively, "Water supply" comes to 13 per cent, "Drainage" to 4 per cent and "Education" to over 11 per cent. In some localities the expenditure on education is considerably in excess of the average. In the Bombay Presidency, excluding Bombay City, for example, the expenditure on education amounts to more than 21 per cent of the total funds, while in the Central Provinces and Berar it is over 17 per cent.

District Boards—The duties and functions assigned to the municipalities in urban areas are in rural areas entrusted to district and local Boards. In almost every district of British India save in the province of Assam, there is a board subordinate to which are two or more sub-district boards, while in Bengal, Madras and Bihar and Orissa, there are also Union Committees. Throughout India at large there are some 207 district boards with 584 sub-district boards besides 455 Union Panchayats in Madras. This machinery has jurisdiction over a population which was over 221 millions in 1930-31. Leaving aside the Union Committees and Union Boards or Panchayats the members of the Boards numbered over 16,000 in 1930-31, of whom 73 per cent were elected. As in the case of municipalities the tendency has been throughout India to increase the elected members at the expense of the nominated and the official members. The Boards are practically manned by Indians, who constitute 96 per cent of the whole membership. Only 11 per cent of the total members of all boards are officials of any kind. The total income of the Boards in 1930-31 amounted to Rs 16.57 crores, the average income of each board being Rs 2,00,000. The most important item of revenue is provincial rates, which represent a proportion of the total income varying from 25 per cent in Bombay and in the N. W. F. Province to 63 per cent in Bihar and Orissa. The principal objects of expenditure are education which has come re-

markably to the front within the last three years and civil works such as roads and bridges. Medical relief is also sharing with education though in a less degree the lion's share of the available revenue.

Improvement Trust—A notable feature in the recent sanitary history of India is the activity played by the great cities in the direction of social improvements. In Bombay and Calcutta the Improvement Trusts are continuing their activities which are described in a separate chapter (q.v.). In Bombay the work of the Improvement Trust is being developed by the Bombay Development Directorate. Other cities are beginning to follow the examples of these great cities and Improvement Trusts have been constituted in Cawnpore, Lucknow and Allahabad in the United Provinces and in several of the larger cities of the Provinces of India. Their activities have, however, been severely curtailed by the financial stress.

Provincial Progress—There was passed in Bengal in 1919 a Village Self Government Act embodying the policy of constituting Union Boards at the earliest possible date for groups of villages throughout the province. The number of these boards continues to increase rising from 1,500 to more than 2,000. In 1930-31 the number of Union Boards rose to 1,510. There are also 12 Union Committees. Though they are in their infancy as yet, many of them show a remarkable aptitude for managing their own affairs.

In Bombay the development of village self government is also proceeding, as the result of an Act for constituting, or increasing the power of village committees which was passed in 1920 by the Legislative Council. In this presidency, some 145 out of 155 municipalities had a two thirds elected majority of councillors in the year 1930-31, and a distinct step forward has been projected by the administration in the direction of liberalizing the constitution of all municipal bodies. The policy of appointing a non official president has been extended both to district and sub district boards, and a large number of non officials have also been appointed presidents of sub districts (taluka) boards. In Madras also the institutions of local self government continued to progress in an encouraging manner. The number of district boards in the Presidency in 1931 was 25 with 1,005 members. The number of sub district boards was 130. The total number of Municipal Councils during the year 1930-31 continued to be 81 and the proportion of Indian to European and Anglo Indian members further increased. In 1930-31 there were 54 municipal councils, consisting entirely of Indian members, as against 51 in the previous year. The average imposition of taxation per head of population is still very low, being only about Rs 2-8

In the United Provinces the new District Boards which consist of non official members only with elected non official Chairman, were plunged straightway into financial difficulties. In some cases the necessity for retrenchment was immediate resulting in the curtailment of medical relief and of allotments for the ordinary repairs of roads. Additional taxation has so far not been generally imposed and the Boards are still suffering from inexperience in husbanding public money and obtaining the full value for their expenditure. In the case of Municipal Finance, there has been some change for the better. The new municipalities have shown a great interest in all forms of civic activity but they are still hampered in their work by political and communal objections. They are reluctant to impose new taxation but a considerable programme of expenditure lies before them.

In the Punjab municipal administration continued to show improvement, the general attitude of the members in regard to their responsibilities being promising for progress in the future. Generally speaking the finances are in a more satisfactory position than was the case in previous years. Expenditure on water supply schemes is steadily increasing.

In the Central Provinces, the year 1920 witnessed the passing of a Local Self Government Act intended to guide into proper channels the undoubtedly growing interest in public matters. The continued reduction of official members and chairman, and the wider powers of control given to local bodies have been an incentive to the development of local self government, leading to an increased sense of public duty and responsibility. Another very important measure regulating municipalities was passed into law in 1922. Its chief features are the extension of the Municipal franchise, the reduction of official and nominated members, the extension of the powers of Municipal Committee, and the relaxation of official control.

In the North West Frontier Province, the institution of local self government is somewhat of a foreign growth. Certain of the municipal committees are still lax in the discharge of their responsibilities, and meetings are reported to be infrequent, but the attendance of non-official members is gradually increasing. Concerning Municipal administration the Local Government reports that the members continue to take a very great interest in their duties and that their attitude towards the responsibility is imposed upon them is on the whole satisfactory. Communal feeling shows itself in certain localities, but is in many instances offset by the public spirit and initiative of individual members and there are considerable symptoms of advance in independence of action and in the smooth working of the Committees. An important extension of the elective principle has recently been made and it is hoped that this is proving a success.

District and Local Boards

The following table gives the membership, Income and Expenditure of District and Local Boards in the same financial year —

Province	No of Boards	No of Members		Income (excluding Balances)						Expenditure					Total
		Elected	By office and nominated	Provincial Rates	Civil Works	Other Sources	Total	Incl. Ind. Held	Education	Civil Works	Sanitation, Hospital, etc.	Debt and Miscellaneous			
Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs		
Madras	(a) 610	6,529	2,069	1,18,43,618	1,18,65,545	3,28,15,767	5,95,21,930	1 3 5	1,20,99,109	2,60,28,811	97,31,763	1,88,87,373	6,07,17,119		
Bombay	219	3,320	995	50,42,261	27,22,918	1,55,06,611	2,32,71,826	1 3 6	1,21,13,777	10,87,811	13,32,532	17,51,237	2,35,16,561		
Bengal	109	1,303	765	76,05,985	10,24,288	55,07,812	1,17,98,115	0 1 1	37,09,581	50,96,112	31,19,007	25,33,236	1,18,18,351		
United Provinces	48	1,407	95	77,06,511	14,75,385	1,01,90,350	1,93,72,249	0 6 8	1,14,69,166	35,82,893	10,15,708	2,95,927	1,99,93,991		
Punjab	29	832	317	63,15,046	18,16,906	1,29,01,507	2,10,90,159	1 0 0	1,11,59,252	14,31,223	27,13,171	61,21,771	2,11,55,722		
Bihar and Orissa	66	887	311	71,08,851	9,52,198	55,90,696	1,36,52,018	0 7 3	18,00,119	15,89,912	23,75,171	23,11,699	1,11,10,201		
C P & Berar	108	1,101	495	25,18,533	3,48,107	53,96,698	82,63,338	0 6 2	31,11,113	9,51,122	5,10,061	30,13,009	82,22,505		
Assam	19	360	104	11,06,730	9,78,553	15,18,974	36,01,257	0 7 3	13,91,831	12,38,600	6,18,676	5,13,935	37,93,015		
N W Frontier Province	5		221	2,11,992	2,08,178	10,50,012	15,01,512	1 2 9	10,27,276	1,01,977	1,31,117	1,81,350	15,07,750		
Ajmer Merwara	1	16	27	31,329	1,33,399	61,535	2,29,263	0 6 7	55,069	17,122	33,070	1,01,211	2,37,072		
Coorg	1	13	7	57,669	14,306	43,675	1,45,650	0 1 3	67,708	31,261	29,121	30,086	1,59,076		
Delhi	1	12	8	49,855	19,011	1,71,126	2,45,295	1 1 1	1,30,837	11,191	31,920	12,705	2,19,953		
Total 1930-31	1,246	16,083	5,111	4,96,61,389	2,52,17,397	9,09,26,156	16,57,01,912	0 10 5	6,15,59,731	1,81,95,062	1,96,39,010	3,91,17,902	16,88,11,735		

(a) Includes 45 Union Fund projects with 1,013 elected and 1,071 ex officio and nominated members

(a) Includes 45, Union Panchayats with 1,013 elected and 1,071 ex officio and nominated members

Local Government Statistics

Municipalities — With this general introduction we can now turn to the statistical results of the working of Local Self-Government. The following table gives information as to the constitution of municipal committees, taxation, &c., in the chief provinces in 1930-31 —

Province	Population within Municipal Limits	Number of Municipalities	Classification of Members			Income	Incidence per Head of Population				Expenditure
			Number of Members of Committees	Official	Non-official		Rs	Rates and Taxes			
								Rs	a	p	
<i>Presidency Towns</i>											
Calcutta	1,077,264	1	90	1	89	4,64,73,418	16	0	3	19 14 5	4,25,15,073
Bombay City	1,168,383	1	108	4	104	16,03,24,539	23 1 4	27	10	0	16,59,91,737
Madras City	647,228	1	49	1	48	1,07,93,586	6 15 11	10	15	9	93,34,378
Rangoon	398,971	1	34	4	30	1,33,42,806	19 6 3	26	2	4	1,31,55,143
<i>District Municipalities</i>											
Bengal (excluding Calcutta)	2,113,907	117	1,661	120	1,541	94,99,321	3 3 9	4	0	4	96,75,593
Bihar and Orissa	1,337,345	61	1,031	117	914	52,32,082	2 3 8	2	15	9	14,66,171
Assam	214,650	25	253	7	270	13,16,719	3 8 2	5	6	11	13,55,257
Bombay (excluding Bombay City)	3,045,994	154	3,051	199	2,852	3,84,02,690	5 4 1	7	6	0	3,89,02,357
Madras (excluding Madras City)	2,725,190	81	1,089	6	1,083	2,00,31,578	2 7 5	5	12	1	2,18,01,802
United Provinces	2,917,150	85	1,142	13	1,129	1,99,52,904	3 13 2	5	7	11	1,68,73,932
Punjab	2,476,945	107	1,256	103	1,153	1,36,09,870	3 1 1	5	7	0	1,40,15,220
N W F Province	248,101	7	135	38	97	15,41,347	3 11 7	8	11	5	16,31,299
Central Provinces and Berar	1,361,537	71	1,248	51	1,197	81,64,733	3 5 8	5	0	10	87,15,730
Burma (excluding Rangoon)	909,199	57	775	91	684	78,28,061	3 10 6	8	1	9	80,84,408
British Baluchistan	34,831	1	38	5	33	7,61,000	11 8 1	19	7	0	7,58,173
Ajmer-Merwara	157,751	4	60	7	53	6,34,961	2 6 6	3	12	3	6,24,884
Coorg	13,916	5	61	19	42	18,919	2 1 9	3	8	0	51,212
Delhi	247,935	1	37	3	34	29,92,195	5 9 9	11	13	10	33,60,257
Bangalore	134,123	1	28	8	20	10,57,871	4 5 8	7	1	4	10,53,350
Total 1930-31	21,230,470	781	12,776	797	11,979	36,50,70,350	5 13 7	8	4	6	36,24,59,576

Calcutta Improvement Trust.

The new 54 ft road connecting Chittaranjan Avenue with Strand Road slightly to the north of Jagannath Ghat has been completed so that there is now a continuous main traffic route with the same width of roadway as Chittaranjan Avenue, extending right across Calcutta from Strand Road on the west to Upper Circular Road on the east. The widening of Miniktala Road between Upper Circular Road and Miniktala Bridge which has been completed forms a further extension of this main roadway which will eventually continue at a width of 100 ft to the extreme eastern limit of Miniktala. Another important scheme which is now complete is the new 60 ft road between Derpanaryan Tagore Street and Pathurighat Street which, with its side roads, opens up a very congested area and forms a portion of a main projected north and south road through Barr Bazar from Harrison Road to a new main east and west diagonal road through Abinitollah.

The passing of the Calcutta Improvement (Amendment) Act, 1931, which empowers the Board of Trustees in certain cases to levy betterment fees on properties which abut on to a new or widened street instead of acquiring the properties has made it financially possible for the Trust to proceed with some portion of its original programme for the improvement of Barabazar. The Kalikar Street scheme in Barabazar which forms the southern section of the aforesaid road is one of the schemes to which the new Act is to be applied. It has been published under Section 43 of the Calcutta Improvement Act and sanctioned by Government. Another scheme which has received the sanction of Government and to which the new Act is to be applied is the widening of a short length of Darmahatta Street and it will be interesting to see how the methods of assessment provided for in the Act will work out in practice.

The Suburban Areas to the south and south-east of Calcutta required greater attention and extensive development schemes were undertaken. Several open spaces and squares have been made in various parts. Insanitary tanks requiring approximately 2 crores of earth have been filled up. Russa Road which forms the southern approach to the town has been widened to 150 ft for a length of one mile and 100 ft for a length of another mile. It now gives a most pleasant drive from Chowringhee to Tollygunge. To improve the drainage of this area a 100 ft wide East to West road, from Ballygunge Railway Station to Chetla Bridge, and for recreation an artificial lake of 167 bighas with adequate grounds has been completed.

Another small lake has also been completed and a road is being constructed round it to link up with the road surrounding the main lake. The road round the main lake has been surfaced with asphalt and lighted with electricity and is much frequented in the evenings. Sites for Club houses adjoining the main lake have been reserved for several clubs. Excavation has been continued in a new section of the lake which is being attractively laid out with an island to which the public will have access by means of a footbridge. The Calcutta Tramways Co., Ltd., have now extended tram tracks from Russa Road along New Sewer Road to Ballygunge Station.

The Board of Trustees have framed a scheme for the extension southwards of Lansdowne Road which has received Government sanction, acquisition of land was completed and all the new and widened roads have been completed and opened to traffic, surplus lands are now ready for sale, the Board in pursuance of its policy of "carrying out schemes in the centre of the town and in the suburbs simultaneously, so as to have an adequate supply of suburban sites for residential buildings to meet the needs of those displaced from overcrowded areas in the centre of the town has also framed a scheme known as Scheme No XXXIII for the improvement of another section of the undeveloped area between Russa Road and the Lake District. This too has received sanction of Government and land acquisition is in progress.

To the east of the city, several new roads have been constructed in Scheme No VIIIIC (New Ballygunge Road—Park Circus to Old Ballygunge Road). They are now open to traffic, and the majority of them are surfaced with asphalt. Arrangements have been made for lighting the roads with electricity. The development of Calcutta east of Lower Circular Road, between Park Circus and Middle Road Entally, is a pressing need, but the work can only proceed slowly in small sections. The Trust in the execution of this scheme cannot ignore the bustee dwellers, who are pushed further east, as the development from bustee conditions to blocks of masonry buildings proceeds. The utilisation of highly-improved lands for bustee purposes is not an economic proposition, but at the same time, it is necessary to provide the essentials of sanitation for the working classes.

The linking up of Amherst Street with London Street by a broad thoroughfare has commenced. The Trust is constructing a large park near Park Circus, Scheme No VIII, known as Eastern Park, measuring 65 bighas. It will have a large playing field for football and tennis. The Gorachand Road Scheme provides for the completion of the northern portion of this park and the commencement of a wide avenue running parallel to Lower Circular Road through the outer fringe of Entally. As the scheme involved the demolition of a large number of busteas, investigations were made to ascertain the best means of reducing the displaced bustee population as a result of which a Rehousing Scheme at Christopher Road which will cost the Trust Rs 2,70,000 for land acquisition and Rs 1,97,000 for engineering works has been framed and has received the sanction of Government.

The public squares vested in the Calcutta Corporation in 1911 had a total area of about 96 acres. In 1912, Mr Bompas, the first Chairman of the Trust, pointed out that in the ratio, viz., about 9 per cent of its public open spaces which measured about 1,250 acres (including the Maidan, the Horticultural and the Zoological Gardens) to its total acreage, Calcutta was almost on a par at that time with London possessing 6,675 acres of public parks or gardens, while its percentage exceeded that of New York, Berlin and Birmingham. But about 1,000 acres of Calcutta's 1,250 was accounted for in

the Maidan and new open spaces in other parts of Calcutta were in urgent need. Up to date the Trust had added (including the new lake at Dhakuria)—another 250 acres

Lastly for the housing of the displaced population the Trust has undertaken on a large scale the following schemes —

In the early stages three blocks of three storied tenement buildings containing 252 lettable rooms were built in Wards Institution Street for persons of the poorer classes. It was found, however, that the persons displaced preferred to take their compensation and migrate to some place where they could erect *bastis* of their own, the class of structures they were accustomed to live in. These chawls were then filled with persons of limited means, e.g., school masters, poor students, clerks and persons of the artisan class. As many as 1,200 people are housed in these chawls, these buildings, including land, cost Rs 2,44,368 and are let at very low rents—ground floor rooms at Rs 5 per mensem and top floor rooms on Rs 6 per mensem, each room measuring 12' x 12' with a 4 ft verandah in front opening on to a central passage 7 ft wide. The total collection of rent during the year 1932-33 including previous year arrear was Rs 14,601

As these chawls failed to attract the people for whom they were meant, the Board next tried an experiment in providing sites for busters. Two sites with a lettable area of 16 bighas were acquired within the area of Maniktola Municipality, but they failed to attract because they were out of the way and were expensive

Kerbala Tank Lane Re-Housing Scheme—In this scheme 4 detached and 35 semi-detached houses were built. The detached houses were sold as this scheme never became popular with the class of tenants for whom they were originally intended. Owing to this unpopularity the Board further decided to throw open to tenants of all classes 18 out of the remaining 35 semi-detached houses. This change of policy, however, produced no effect on the letting

Owing to want of suitable tenants the entire dwellings in Kerbala Tank Re-housing scheme had been sold by private sale shortly after the 21st March 1927

Bow Street Re-Housing Scheme—Seven blocks of buildings containing one roomed, two-roomed and three roomed suites have been constructed to re-house Anglo Indians displaced by the operations of the Trust. This scheme has proved a striking success. There are 132 suites for letting and the rent received from these suites during the year 1932-33, amounted to Rs 30,574

Pailpara Re-Housing Scheme—This scheme has an area of 36 bighas well laid out in 96 building sites. A new re-housing scheme has been undertaken by the Board, as already stated, a Christopher Road for the Bustee population to be displaced by the execution of scheme No XXXV (Eastern Park, to Gorchand Road). A special feature of the new scheme is that the land is to be developed as a model bustee for displaced bustee dwellers. Special facilities are offered to dishoused persons for securing land in various improved areas for reinstatement purposes

Bridges—Some progress has been made in replacing the old bridges of Calcutta, which is hemmed in by canals and railway lines inadequately bridged, by modern and up to date bridges to suit the growing traffic requirements. The opportunity is being taken of widening the Maniktala, Narikeldanga and Beliaghata Bridge approaches on both sides—on the west (in the case of Maniktala and Narkeldanga Bridges) right up to Circular Road. The new bridges of the city will in their traffic capacity compare favourably with those of London. The new Bridges at Maniktala, Beliaghata and at Shambazar have roadways of 37 feet, with two footpaths each 10 feet in width. The Chitpore Bridge reconstruction of which has been taken in hand has been redesigned as a reinforced Concrete bridge capable of accommodating four lines of fast traffic and two lines of slow traffic and should be completed in 1933-34. The Alipore Bridge, the reconstruction of which has been Completed, is to have a roadway of 30 feet (3 traffic widths) and 2 footpaths of 6 feet each, and these are also to be the probable widths of the Tollygunge and Hastings Bridges which need re building. The Chelsea, Hammer-smith and Waterloo Bridges have all over widths of 45, 39 and 42 feet, respectively, the roadways being 29, 27 and 28 feet, that is 3 traffic widths. Even London Bridge with an all-over width of 65 feet has only a 37-foot roadway (4 traffic widths) and Westminster Bridge which is 84 feet in width spares only 54 feet (i.e., 6 traffic widths, like the 60 feet of Kidderpore Bridges for wheeled traffic

Financial—Capital charges during the year 1932-33 amounted to Rs 60,67 lakhs which included Rs 51,02 lakhs spent on land acquisition and Rs 7,59 lakhs on engineering works. The gross expenditure of the Trust on Capital Works up to the end of the year 1932-33 was Rs 13,59,35,000. To meet this large expenditure, the Trust has borrowed Rs 2,48,50,000, other Capital receipts (mainly from the sale of land and buildings) have yielded Rs 6,64,89,000 and the revenue fund from its annual surplus (after providing for the service of loans) has contributed Rs 4,46 crores to Capital Works

The Indian Ports.

The administration of the affairs of the larger ports (*Calcutta, Bombay, Madras, Karachi, Rangoon and Chittagong*) is vested by law in bodies specially constituted for the purpose. They have wide powers, but their proceedings are subject in a greater degree than those of municipal bodies to the control of Government. At all the ports the European members constitute the majority and the Board for Rangoon consists mainly of European members.

Figures for 1931-32 relating to income, expenditure and capital debt of the six principal ports managed by Trusts (Aden is excluded from the tables) is obtainable from the Department of Commercial Intelligence and Statistics (India) are shown in the following table —

	Income	Expenditure	Capital Debt
	Rs	Rs	Rs
Calcutta	2,67,01,863	3,13,44,345	24,57,49,754
Bombay	2,65,35,984	2,88,04,964	21,84,76,466
Madras	33,60,109	32,67,262	1,63,38,439
Karachi	67,60,868	73,64,590	4,25,09,000
Rangoon	75,67,473	78,53,757	5,68,43,517
Chittagong ..	7,55,762	7,52,293	* 24,27,961

* Includes the first instalment of Rs 15 lakhs, the second instalment of Rs 5 lakhs, and the third instalment of Rs 2 lakhs, of a loan of Rs 50 lakhs from the Government of Bengal

CALCUTTA

The Commissioners for the Port of Calcutta are as follows —

Mr F H Elderton, Chairman

Mr W A Burns, Deputy Chairman and Traffic Manager

Elected by the Bengal Chamber of Commerce —
Mr J S Henderson, Mr A L B Tucker,
Mr M A Hughes, Mr K J Nicolson, Mr S D Gladstone, Mr J Reid Kay

Elected by the Calcutta Trades Association —
Mr C H Pratt

Elected by the Bengal National Chamber of Commerce — Rai Bahadur, A C Banerjee C I E,
Mr Nallal Ranjan Sarkar, Mr J C Banerjee.

Elected by the Indian Chamber of Commerce —
Mr G L. Mehta

Elected by the Municipal Corporation of Calcutta — Mr D J Cohen

Nominated by Government — Commander R H Garstin, O B E, R I M, Sir Hugh Hannay, Rai Bahadur B R Singh, Mr V E D Jarrard, Mr G N Bower

The principal officers of the Trust are —

Traffic Manager — Mr W A Burns

Chief Accountant — Mr J Dand, C A

Chief Engineer — Mr J R Rowley, A K C, M Inst C E

Deputy Conservator — Commander C V L Norcock, O B E, R N

Medical Officer — Lt-Col W L Harnet, M B, F R O S, I M S

Consulting Engineer and London Agent — Mr J Angus, M Inst C E

The traffic figures and the income of the Trust for the last fifteen years are as follows —

Year	Docks			Tettles	Stream		Nett tonnage of shipping entering the Port	Income
	General Exports	Coal Exports	Imports	Imports	Exports	Imports		
	Tons	Tons	Tons	Tons	Tons	Tons	Tons	Rs
1914-15	920,659	2,633,805	700,133	917,978			3,714,344	1,44,50,319
1915-16	1,051,985	1,610,645	570,997	788,431			2,967,798	1,59,35,450
1916-17	1,185,159	1,994,528	444,210	686,010			2,804,380	1,57,23,432
1917-18	995,112	1,014,993	363,383	633,693			2,094,011	1,58,39,175
1918-19	1,097,562	1,333,285	482,403	574,833			2,292,462	1,90,58,513
1919-20	1,146,179	2,261,976	653,066	713,740			2,941,846	2,23,55,614
1920-21	1,133,719	3,046,400	413,357	685,080			4,017,514	2,66,08,032
1921-22	974,793	1,687,222	697,361	622,411			3,446,021	2,19,17,042
1922-23	1,414,166	1,174,041	304,109	680,053			3,336,722	2,64,75,522
1923-24	1,722,305	1,325,801	221,035	761,920			3,621,243	2,60,89,027
1924-25	1,779,054	1,495,915	290,412	874,714			3,845,788	2,78,23,364
1925-26	1,494,442	1,796,409	352,714	951,442	2,231,637	1,601,941	3,887,592	3,21,27,748
1926-27	1,165,854	2,476,794	455,577	963,297	2,344,800	1,513,885	4,177,118	3,12,02,183
1927-28	1,837,371	2,817,443	480,367	1,007,917	2,689,186	1,600,728	4,638,569	3,38,82,124
1928-29	1,750,969	2,644,256	1,164,631	1,049,668	2,524,201	1,706,559	4,818,831	3,41,82,720
1929-30	1,985,042	3,016,185	853,452	829,902	2,539,653	1,646,932	4,985,999	3,43,98,110
1930-31	1,440,371	2,369,393	616,844	553,317	2,145,837	1,552,502	4,381,953	2,83,73,490
1931-32	1,251,060	2,595,912	586,902	380,324	1,748,950	1,365,076	4,189,742	2,67,01,863
1932-33	1,123,420	2,559,136	362,023	469,513	1,665,432	1,332,672	3,828,983	2,46,36,681

BOMBAY

BOARD OF TRUSTEES — *Nominated by Government* — Mr W R S Sharpe, M INST T (Chairman), Vice-Admiral Sir Humphrey Walwyn, KCSI, CB, DSO, RN, Mr Syed Munawar, Mr C W E Arbuthnot, OIE, Mr H K Kirpalani, ICS, Mr M Slade ICS, Major General H Needham, CB, CMG, DSO, Mr M W Bryshav and Mr A E Tylden-Pattenson *Elected by the Bombay Chamber of Commerce* — Mr T E Cunningham, Mr E C Reid, Mr G H Cooke, Mr W G Lely and Mr W M Petrie *Elected by the Indian Merchants Chamber* — Sir Purshotamdas Thakurdas, Kt, OIE, MBE, Mr Lakshmidas Rowjee Tursee, Mr Gordhandas Goculdas Morarij, Mr Ratilal M Gandhi and Mr A D Shroff *Elected by the Bombay Municipal Corporation* — Mr Meyer Nissim and Mr Hoosenally M Rahimtoola *Elected by the Millowners' Association* — Mr A Geddis

The following are the principal officers of the Trust —

Secretary, N M Morris, *Deputy Secretary*, A S Bakre, M A, Bar at-Law

ACCOUNTS DEPARTMENT

Chief Acctt, G P Gay, *Deputy Acctt*, J F Pereira B A, *Sr Asstt Acctt*, W E McDonnell, *Asstt Acctts* H W Scott, A N Moos, *Junior Asstt Acctts*, O Hyde, R Cour-Palais, A R Javeri, *Cashier*, V D Jog, *Ry Audit Inspectors*, M J Merzello, J P D Souza, *Supdt Establishment Branch*, H N Baria

ENGINEERING DEPARTMENT

Chief Engineer, G E Bennett, MSc, M Inst CE, MI Mech E, *Deputy Chief Engineer*, A Hale-White, M A, M Inst CE *Executive Engineers*, G E Terrey, A MICE, J A Rolfe, *Senior*

Asstt Engineer, P L Varadar, B.O.I.,
1 M Surveyor, B.Sc (Glas), AMICE, L
L Leveratt, AMICE, H N Barla, B.O.I.
Chief Draftsman, L B Andrew, M.I. Struct.
1, Personal Asst to the Chief Engineer, T B
Hawkins, *Mechanical Superintendent*, R B Mc
Gregor, AMIME, *Asstt Mechanical Superin-*
tendents, B C Sharpe, AMIME, S J Watt,
M.I.E.E., D A Kohli, I.C.E., and A C Strelley.
1 M Mar F, AMIME, *Chief Foreman*, B Shaw

DOCKS DEPARTMENT

Docks Manager, C N Rich, B.A. *Deputy*
Docks Managers, I A Borkisow, W G H
Templeton and F Seymour Williams, D.S.O.,
Deputy Manager (Office), P A Davies, *Asstt*
Dock Managers, 1st and 2nd Grade, I C Tolley,
A Mattos, L J Walsh, I J Warder, L J
Kail, D L Jann, C O A Martinez, P B
Kenner Nanabhoy Framji, Ardesheer Maneelji
and J M Duarte, *Cash Supervisor*, T
D'Silva, *Cashier*, Robert Fernandez

RAILWAY DEPARTMENT

Railway Manager, D G M Mearns, *Deputy*
Railway Managers, A F Watts and H A
Gaxdon, *Asstt Railway Manager*, S G N Shaw,
P M Boyce and M L A Kizilbash, *Asstt*
Traffic Supdt, W H Brady, *Office Supdt*,
Subrahmanya Raghunathan

PORT DEPARTMENT

Deputy Conservator, Captain A G Kinch,
D.S.O., R.I.M. (Retd) *Senior Dock Master*,
Alexandra Dock, L G Worthington, *Dock Master*,
Alexandra Dock, J L Williams, *Dock Mas-*
ter, Victoria Dock, N I Davidson, *Dock Master*,
Princes Dock, C T Willson, *Port Department*
Inspector and Supdt of Police, Bombay Port
Trust Harbour Patrol, W P Bigg, *Office Supdt*,
Moses Samuel

PILOT ESTABLISHMENT

Harbour Master, R Walker *Master Pilots*,
G Ingland and C B M Thomas

Pilots, J S Nicholson, R C Vint, A M
Thomson, H W L T Davies, H H Church,
W E Brown, W L Friend, R H Friedlander,
W Sutherland, H Lloyd Jones, J Cook,
G E Birt, *Probationary Pilot*, S T Elliot

LAND AND BUNDERS DEPARTMENT

Manager, T H Taylor, F.S.I., M.R.S.I.,
Deputy Manager, B C Durant, *Personal Asstt*,
R G Deshmukh, B.A., L.B. *Office Supdt*,
W O'Brien, *Asstt Managers* W H Cummings
and C P Watson, *Chief Inspector*, G C
Battenberg, *Head Clerk*, D A Pereira

STORES DEPARTMENT

Controller of Stores, H E Lees *1st Assistant*,
W J Wilson, *2nd Assistant*, B F Davidson,
Statistical Supdt, H L Barrett

MEDICAL DEPARTMENT

Administrative Medical Officer Dr W Nunn,
B.A., M.D., B.Ch., *Medical Officers*, Dr I D
Panna, M.D., M.R.C.S. (South District) Dr A D
Karkhanawalla, M.B.S. (North District) *Super-*
intendent, Annapurilage, Dr M Vijayaraj,
L.M.S.

The revenue of the Trust in 1932 amounted to Rs 2,30,75,445 and the expenditure to Rs 2,16,02,916. The result of the year's working was a deficit of Rs 1,51,628 under General Account which has been met from the Revenue Reserve Fund, and a surplus of Rs 57,210 under Pilotage Account which has been transferred to the Vessel Replacement Fund. The balance of the Revenue Reserve Fund at the close of the year amounted to Rs 56,56,906. The aggregate capital expenditure during the year was Rs 6,20,926. The total debt of the Trust at the end of the year amounted to Rs 21,72,50,504, repayment of which is provided for by annual sinking fund contributions from revenue, the accumulation of the sinking fund as at 1st March 1933 was Rs 554,42 lakhs, in addition to this apart from property appreciation the Reserve and other funds total Rs 91,46 lakhs.

The trade of the Port of Bombay during the last official year aggregated Rs 154 crores in value.

The number of steam and square-rigged vessels which during recent years have entered the docks or been berthed at the harbour walls and paid dues, excluding those which have unloaded and loaded in the stream—

Year	Number	Tonnage nett
1911 to 1916 (average)	1,668	3,137,354
1916 to 1921	2,086	1,753,888
1921 to 1926	1,962	4,574,817
1926-27	1,812	4,386,312
1927-28	2,027	4,864,344
1928-29	1,966	4,828,376
1929-30	1,965	4,895,326
1930-31	1,970	4,773,492
1931-32	1,866	4,588,577
1932-33	1,836	4,691,183

The two dry docks were occupied during the year 1932-33 by 134 vessels, the total tonnage amounting to 496,985 which was less than the previous year by 10,737 tons.

KARACHI

The members of the Board of Trustees of the Port of Karachi are as follows —

Chairman — E M Duggan, B SO, M Inst CE, Tikandas Wadhmal, M A (Oxon), Barr-at-Law, (*Vice Chairman*, elected by the Board), elected by the Karachi Municipal Corporation

Appointed by Government — F Buckney, B A, (Collector of Customs), T C Hailes, V D (Divisional Superintendent, North Western Railway), Major A G Armstrong, (D A A & Q M G, Sind Independent Brigade Area), Mir Ayub Khan, Barr-at-law

Elected by the Karachi Chamber of Commerce — W D Young, (Cooper & Young), J W Anderson, (Grahams Trading Co., (India) Ltd), G H Raschen, (Forbes, Forbes Campbell & Co., Ltd), H S Bigg Withel, OBE, (Burma Shell Oil Storage & Distributing Co of India, Ltd)

Elected by the Karachi Indian Merchants' Association — Lalji Jagannath Lalaram, Tandon, B SO, (R B Biji Lal Jagannath), Chellaram Shewaram, (Shewaram Rewi Chand)

Elected by the Buyers' and Shippers' Chamber — Jamshed Nusserwanji, (Karachi Steam Roller Flour Mills, Ltd), Mohamed Ali A K Alavi, (Yusuf Ali Alibhai Karamji & Co)

The Principal Officers of the Port Trust —

Chief Engineer — W P Shepherd-Barron, M.C, M Inst CE

Deputy Chief Engineer — H A L French, M Inst CE

Chief Accountant — B A Inglet, B A, C A

Traffic Manager — A A L Flynn, V D, C M Z S

Deputy Conservator — J A Scarr

Chief Storekeeper — R A Donde

Secretary — L J Mascarenhas

Revenue receipts and expenditure of the Port of Karachi for the year 1932-33 —

Revenue receipts Rs 59,22,000 Special Receipts Rs 82,800 Revenue Expenditure Rs 62,91,000 Deficit Rs 2,86,000 Reserve Fund Rs 43,28,000

SHIPPING

Number of vessels which entered the Port during the year 1932-33 exclusive of vessels put back and fishing boats was 3,234 with a tonnage of 2,268,236 as against 3,314 with a tonnage of 2,411,610 in 1931-32 841 steamer of all kinds entered the Port with a tonnage of 2,134,689 against 912 and 2,278,390 respectively in the previous year Of the 841 steamers 671 were of British Nationality

The imports during the year totalled 745,000 tons against 788,000 tons in the previous year The shipments were 914,000 tons in 1932-33 against 963,000 in 1931-32

The total volume of imports and exports was 1,659,000 tons against 1,751,000 tons in the previous year

MADRAS

The following gentlemen are the Trustees of the Port of Madras —

Officials — G G Armstrong, OBE, M.C, V D, M Inst T, (Chairman and Traffic Manager), C R Watkins, OIF (Collector of Customs), Capt B Gordon, R.I.M. (Presidency Port Officer)

Non Officials — (1) Nominated by Government H N Colvin, Sir Percy Rothera, Kt, OBE, M Inst CE, I.M.I.E

Representing Chamber of Commerce, Madras — R D Denniston, A S Todd

Representing Southern India Chamber of Commerce, Madras — M R R M Ct M Chidambaram Chettiyar Avergil, The Hon'ble Diwan Bahadur G Narayanaswamy Chetty Garu, OIE

Representing Madras Trades Association — W W Ladden, A A Hailes

Representing Southern India Spin & Hide Merchants' Association — Yakub Hassan Sait

Representing Madras Piece Goods Merchants' Association — Abdus Subhan Sahib, B A

Principal Officers are — **Port Engineer** — G P Alexander, A M, Inst CE

Deputy Conservator of the Port of Madras — Lt Commander A D Berrington, K A F, (Retd)

Deputy Traffic Manager — J G Lord

Chief Accountant — M R R Venkataram Pal Avergil, M A

Mechanical and Electrical Engineer — Major E G Bowers, M.C, M.I.E.E, A.I.R.O

Assistant Mechanical Engineer — S W White, M.I.M.E.E, A.M.N.I.A

1st Engineer and Dredging Master — J T Burke

Assistant Engineers — M R R V Dhananada Ramath Avergil, B A, B.T, M R R S Nagabushnam Avergil, B A, M.I.A.I.E

Assistant Engineer (Electrical) — M R R K Subramania Aikar Avergil, M.E, I.E.E

Harbour Master — A Mackenzie

Assistant Harbour Masters — Mr S Perithurich Mr, L T Lewis, Mr L T Whitlock

Assistant Traffic Manager — M R R M S Venkataraman Avergil, B A, L A

Abraham B A, F.C.I

Deputy Chief Accountant — M R R Rangaswami Aikar Avergil, B A

Deputy Chief Accountant (Engineering) — M R R V Mathurawami Aikar Avergil, B A

Office Manager — M R R G M Ganapathi Aikar Avergil

The receipts of the Trust during 1932-33 on Revenue Account from all sources were Rs 29,86,394 as against Rs 32,60,169 in 1931-32 and the gross expenditure out of revenue was Rs 32,12,510 as against Rs 32,67,262 in 1931-32 No contribution to Reserve fund was made during 1932-33 694 vessels with an aggregate net registered tonnage of 23,31,140 tons called at the port during the year against last year's figure of 774 vessels with a net registered tonnage of 2,690,000 tons

RANGOON.

The personnel of the Commissioners for the Port of Rangoon is comprised of seventeen members—

Appointed by Government—J A Cherry, CIE, MLC, (Chairman), T Cormack, C.A., Captain H W B Davies, OBE, R.N. and A O Davis

Ex officio—Messrs C I Grant, M.A. ICS, (Chairman), Rangoon Development Trust), M Slade, ICS (Collector of Customs), and B M Crosthwaite, V.D. (Agent, Burma Railways)

Elected by the Burma Chamber of Commerce—Messrs M L Burnet, C G Wodehouse, MLC, R B Howison, MLC, and K B Harper

Elected by the Rangoon Trades Association—W C Penn, MLC

Elected by the Chinese Chamber of Commerce—Tan Po Aye, B.A., Bar at-Law

Elected by the Burma Indian Chamber of Commerce—S N Hajland and M D Dadabhoy

Elected by the Burmese Chamber of Commerce—U Thein Maung, B.A., M.M. (Vice Chairman)

Elected by the Corporation of Rangoon—U Thein Maung MLC

Principal Officers are —
Secretary—C Witcher

Chief Accountant—S A Wetherfield, P.A.C.A.

Chief Engineer—W D Beatty, B.A., B.A.I., M.Inst.C.E.

Deputy Conservator—H N Gilbert

Traffic Manager—I J B Jeffery

Port Surveyor—Commander C M L Scott, R.N. (Retd.)

The income and expenditure on revenue account for the Port of Rangoon in 1932-33 were —

	Rs
Income	68,82,754
Expenditure	70,76,097

The capital debt of the Port at the end of the year was Rs 6,12,20,695 11 3. The balance (including investments at cost) at the credit of the different sinking funds on 31st March 1933 was Rs 2,11,01,018 13 11.

The total sea borne trade of Rangoon during the year 1932-33 was 4,62,286 tons of which 1,222,070 tons were imports, 3,178,672 tons exports and 22,544 tons transhipment. The total number of vessels (excluding Government vessels) entering the port was 1,589 with a total net registered tonnage of 4,10,9215 showing a decrease in the number of vessels and of 1,69,272 tons in the net tonnage as compared with the previous year.

CHITTAGONG

Chittagong in Eastern Bengal, lying on the right bank of the river Karnafuli at a distance of 12 miles from the sea, was already an important Port in the sixteenth century, when the Portuguese gave it the name of Porto Grande.

The construction of the Assam Bengal Railway has facilitated the transport of trade with Assam and Eastern Bengal for which the Port of Chittagong is the natural outlet.

Chittagong, Bengal, Lat 22° 21' N, Long 91° 50' E, 1933 Pop 53,156

TRADE

Imports—Salt, mineral oil, machinery, tea, estate, stores, rice, coal and railway material.

Exports—Wax, jute tea, hides, cotton, carpets, rice, paddy eggs, poultry and livestock.

Accommodation—Vessels of any size can proceed 9 miles up the Karnafuli to Chittagong at H.W.O.S draught of 23 ft to 26 ft.

There are 5 berths for ocean going vessels at the Assam Bengal Railway jetties, also two sets of fixed moorings.

Jetties are 2100 ft long, provided with hydraulic cranes 17 to lift 35 cwt. and 4 to lift 10 tons. Simple shed accommodation, and jetties are in direct rail communication with the Assam Bengal Railway system, cargo in bulk being dealt with direct in wagons. Depth at jetties about 32 feet.

Provisions—Fresh provisions, good drinking water and coal obtainable.

There are three river bars affecting navigation controlled by large suction dredger.

Night pilotage is in force except during the S.W. monsoon.

Charges—Port dues 4 annas 6 pies, per register ton. Hospital dues 2 pies per register ton. Harbour Masters fee Rs 32. Mooring and unmooring in fixed berths Rs 32, swinging berths Rs 16. Berth alongside jetties Rs 40, per day, night work and holidays extra.

Pilotage not exceeding—	Rs	a	Rs	a
10 ft to 20 ft from	67	8	301	4
21 ft	3	7	8	
22 ft	5	4	4	
23 ft	139	1		
24 ft	156	0		
25 ft	553	8		
26 ft	631	8		

Towage by Port Commissioners Tug

Port Authority Port Commissioners, Chittagong

Officials—Deputy Conservator, Lieut Commander, F W Angell, R.N., Port Engineer F T Green, B.Sc. M.I.C.E., &c, Lloyds Agents, James Finlay & Co.

VIZAGAPATAM HARBOUR PROJECT

The question of creating a harbour at Vizagapatam to supply an outlet for a large area of fertile country adjacent to the east coast of India, hitherto undeveloped, with considerable mineral resources and without suitable access to the outside world, was first formulated by the Bengal Nagpur Railway Company. That the creation of such a port would have beneficial influence on this area was unquestioned, for it is pointed out that Vizagapatam, being as it does in front of the only practicable gap in the barrier of the Eastern Ghats, is formed by nature to be the outlet of the Central Provinces, from which a considerable amount of trade has taken this route in the past, even with the imperfect communications, hitherto available. A necessary complement of the scheme is the construction of the proposed railway from Parvatipuram to Rupur which, with the existing coastline of the Bengal Nagpur Railway would make a large and rich area tributary to the proposed port, and obviate the long and expensive circuit by Calcutta. A link would also be supplied in the most direct route to Rangoon from Europe by way of Bombay, while, from an imperial point of view, the possible provision of a fortified port on the long and almost unprotected stretch of coast between Colombo and Calcutta is held to be a consideration of great importance. The lofty projecting headland of the Dolphin's Nose would offer facilities for this purpose.

The Government of India with the approval of the Secretary of State and the Legislative Assembly, have sanctioned the construction of the new railway line from Rupur to Parvatipuram. The work is completed and the line opened to traffic. They have also decided to develop the port of Vizagapatam under their direct control and the port has accordingly been declared to be a Major Port.

The work is being carried out by a staff of Engineers under direct charge of an Engineer in Chief who comes under the administrative charge of an Administrative Officer for the development scheme, a post which is held ex officio by the Agent of the B. N. Railway. An Advisory Committee consisting of the above mentioned officers and representatives of the Local Government, the Vizagapatam Port Administration and the commercial interests concerned, has also been constituted to advise in the development of the harbour.

The scheme for the construction and development of the Harbour will be carried out in stages according to the demand of trade. The first stage has been completed sufficiently to enable the Harbour to be opened. Ships started using the Harbour in October 1933 and the official opening by His Excellency the Viceroy took place on 19th December 1933.

The present provision includes a 1000 ft diameter Turning Basin together with access

to the three quay Berths and an Entrance Channel dredged out to afford a passage 300 ft wide at the bottom. Vessels of 26 ft draft are admitted at present and deepening is in progress to allow vessels of 28'-6" maximum draft enter in the near future.

A quay wall comprising three 500 ft Berths has been completed and equipped with 3 ton electric cranes. Storage accommodation aggregating 140,000 sq ft of covered area, in three single storied sheds has been provided in the vicinity of the quay, equipped with full railway and road facilities. Special facilities have been provided for the storage and shipment of manganese ore. In addition to the quays, four Mooring Berths have been installed, around the Basin and additional facilities provided for dealing with lightered cargo.

A large area of land has been reclaimed in the course of the dredging operations and it has been laid out in blocks served by broad roadways. Plots are available for office sites and for industrial concerns. Water supply and electric lighting have been arranged for.

The floating equipment of the Harbour comprises three tugs of 1500, 600 and 150 H.P. respectively.

A graving dock with an entrance 60 ft 6 in broad has been provided, but though adapted for future extension and for use by vessels larger than the dredging craft which now use it, length of ships is at present restricted to 300 feet.

The port is at present capable of dealing with lifts of 15 tons.

The sea entrance channel is protected on the South Side by the provision of a sand trap and protecting Breakwater.

At present ships enter and leave the Harbour at day time only and pilotage is compulsory.

The future administration of the Port is still under consideration by the Government of India. At present, the Agent of the Bengal Nagpur Railway holds Administrative charge of the Port. He is represented at Vizagapatam by a Deputy Conservator, which office is held ex officio by the Engineer in Chief. All matters in connection with port traffic and land are under the charge of the Traffic Manager. The Port Railways are being worked by the B. N. Railway Company.

The principal officers are —

Administrative Officer—V. L. D. Jirrad

Engineer in Chief and Deputy Conservator—O. B. Rittenbury, I. Sc., M.I.C.E., M.I.E.

Traffic Manager—L. G. Liller, B.A.

Education.

Indian education is unintelligible except through its history. Seen thus, it affords the spectacle of a growth which while to one it will appear as a blunder based on an initial error easily avoided to another it stands out as a symbol of sincerity and honest endeavour on the part of a misguided race of rulers whose aim has been to guide a people alien in sentiments and prejudices into the channels of thought and attitude best calculated to fit them for the needs of modern life and western ideals. There is "no art" no subject in the whole area of administrative activity in India which presents greater complexities and differences of opinion than education. Government local bodies and private persons, having in the past devoted their limited funds to meeting the demands of those who perceived the benefits of education, rather than to cultivating a desire for education where it did not exist. The result is that the structure has become top-heavy. The lower classes are largely illiterate, while the middle classes who constitute the bulk of the *middle class* are in point of numbers at least educated to a pitch equal to that of countries whose economic conditions are more highly developed. As might be expected from this abnormal distribution of education, the form which it has eventually assumed contains corresponding defects. There have however, in recent years been strong movements, leading to the passing of Primary Education Acts in several Provinces, in favour of the expansion of primary education among the masses.

The Introduction of Western Learning—In the early days of its dominion in India, the East India Company had little inclination for the doubtful experiment of introducing western learning into India. Warren Hastings, the dominating figure of the time, was a genuine admirer of the laws and literature of the East. His policy was to enable the ancient learning to revive and flourish under the protection of a stable government, and to interfere as little as possible with the habits and customs of the people. Even the Act of 1813 which set apart a lakh of rupees for the introduction and promotion of a knowledge of the sciences was interpreted as a scheme for the encouragement of Sanskrit and Arabic. In the following year the Court of Directors instructed the Governor-General to leave the Hindus "to the practice of their long established among them of giving instruction in their own homes, and to encourage them in the exercise and cultivation of their talents by the stimulus of honorary marks of distinction and in some cases by grants of pecuniary assistance."

It was from sources other than Government that the desire for western knowledge arose in India. In 1816, David Hare an Englishman, and in Calcutta joined hands with the enlightened Brahmin, Mohan Roy to insist to the Hindu College for the promotion of western secular learning. The new institution was assisted both by Christian missionaries and by orthodox Hindus, but its influence grew apace. Fifteen years later the Committee of Public Instruction in Bengal reported

that a taste for English had been widely disseminated and that independent schools, conducted by young men reared in the Hindu College, were springing up in every direction. In Bombay, the Elphinstone Institution was founded in memory of the great ruler who left India in 1827. A still more remarkable innovation was made in 1835 by the establishment of the Calcutta Medical College, whose object was to teach "the principles and practice of medical science in strict accordance with the mode adopted in Europe." Many pronounced the failure of the undertaking to be inevitable; for, under the Hindu custom the higher castes were forbidden to touch the dead. This obstacle was surmounted by Mahasudan Gupta who, with a few courageous pupils, began the dissection of a human body. From that time onward Indians of the highest castes have devoted themselves with enthusiasm and with success to the study of medicine in all its branches.

Another impetus to the introduction of western learning was the devotion of Christian missionaries. The humanitarian spirit, which had been kindled in England by Wesley, Burke and Wilberforce, influenced action also in India. Carey, Marshman and Ward opened the first missionary College at Serampore in 1818, and twelve years later, Alexander Duff reversed the whole trend of missionary policy in India by his insistence on teaching rather than on preaching, and by the foundation of his school and College in Calcutta. In Madras, the missionaries had been still earlier in the field, for as early as in 1787 a small group of missionary schools were being directed by Mr Schwarz. The Madras Christian College was opened in 1837. In Bombay, the Wilson School (afterwards College) was founded in 1834.

Lord William Bentinck's minute of 1835 (based upon Macaulay's famous minute) marks of somewhat tardy acceptance by Government of the new policy. Government then determined, while observing a neutrality in religious matters to devote its available funds to the maintenance of secondary schools and colleges of western learning to be taught through the medium of English. But this decision did not entail that Oriental learning should be neglected, still less that the development of the vernaculars should be discouraged. Other changes powerfully contributed to the success of the new system. The freedom of the press was established in 1835, English was substituted for Persian as the language of the Courts in 1837, and in 1844 Sir Henry Hardinge ordained that preference in Government appointments should be given to those who had received a western education. In the following decade the new learning took firm root in India and, though the Muhammadans still held aloof, the demand for English schools outstripped the means of Government for providing them. Fortunately there has been of late a marked appreciation among Muslim leaders of the need of improving the instructional level of their co-religionists, and in many of the provinces of India a great impulse towards educational advance among the Muhammadan community is now noticeable.

GROWTH AND ORGANISATION OF ENGLISH EDUCATION

An epoch in Indian educational history is marked by Sir Charles Wood's despatch in 1854. Perhaps its most notable feature was the emphasis which it laid on the importance of primary education. The old idea that the education imparted to the higher classes of society would filter down to the lower classes was discarded. The new policy was boldly "to combat the ignorance of the people which may be considered the greatest curse of the country." For this purpose Departments of Public Instructions were created on lines which do not differ very materially from the Departments of the present day. The despatch also broke away from the practice followed since 1835 whereby most of the available public funds had been expended upon a few Government schools and colleges, and instituted a policy of grants-in-aid to private institutions. "Such a system as this, placed in all its degrees under efficient inspection, beginning from the humblest elementary institution and ending with the university test of a liberal education would impart life and energy to education in India, and lead to a gradual but steady extension of its benefits to all classes of people." Another feature of the despatch was an outline of a university system which resulted in the foundation of the Universities of Calcutta, Madras and Bombay three years later. The affiliating type of university then became the pivot of the Indian education system. It has undoubtedly been of value in several ways. It enabled Government to select recruits for its service on an impartial basis; it did much, through the agency of its Colleges to develop backward places; it accelerated the conversion of Indians to a zeal for western education, and it cost little at a time when money was scarce. On the other hand, the new universities were not corporations of scholars, but corporations of administrators; they did not deal directly with the training of men, but with the examination of candidates, they were not concerned with learning, except in so far as learning can be tested by examination. The colleges were fettered by examination requirements and by uniform courses, their teachers were denied that freedom which teachers should enjoy and their students were encouraged not to value training for its own sake but as a means for obtaining marketable qualifications. In certain important respects the recommendations in the despatch were not followed. The Directors did not intend that university tests, as such, should become the sole tests qualifying for public posts, they also recommended the institution of civil service examinations. They did not desire the universities to be deprived of all teaching functions, they recommended the establishment of university chairs for advanced study. They were aware of the dangers of a too literary course of instruction, they hoped that the system of education would rouse the people of India to develop the vast resources of their country and gradually, but certainly, confer upon them all the advantages which accompany the healthy increase of wealth and commerce. The encouragement of the grant-in-aid system was

advocated to an even greater extent by the Education Commission of 1882, which favoured the policy of withdrawing higher education from the control of Government within certain limits and of stimulating private effort. In theory the decision was correct, but in practice it was irretrievably wrong. In its fatal desire to save money, Government deliberately accepted the mistaken belief that schools and colleges could be maintained on the low fees which the Indian parent could be expected to pay. And, in the course of time, an unworkable system of dual control grew up, whereby the Universities with no funds at their disposal were entrusted with the duty of granting recognition to schools and the Departments of Public Instruction were encouraged to cast a blind eye on the private institutions and to be content with the development of a few favoured Government institutions. There can be little wonder that, under such a system of neglect and short-sightedness, evils crept in which are now being removed gradually by the establishment of independent Boards of Intermediate Education charged with the administration of the high school and intermediate stages of education.

The Reforms of 1902-4

In 1902, the Universities Commission was appointed by Lord Curzon's Government, and its investigation was followed by the Universities Act of 1904. The main object of the Act was to tighten up control, on the part of Government over the universities, and on the part of the universities over the schools and colleges. The Chancellors of the Universities were empowered to nominate 80 per cent of the ordinary members of the Senates and to approve the election of the remainder; the Government retained the power of cancelling any appointment, and all university resolutions and proposals for the affiliation or disaffiliation of colleges were to be subject to Government sanction. The universities were given the responsibility of granting recognition to schools and of inspecting all schools and colleges, the inspection of schools being ordinarily conducted by the officers of the Department of Public Instruction. Permission was also given to the universities to undertake direct teaching functions and to make appointments, subject to Government sanction, for these objects but their scope was in practice limited to post-graduate work and research. The territorial limits of each university were defined, so that universities were precluded from any connexion with institutions lying outside those boundaries. Neither the Commission nor the Government discussed the fundamental problems of university organisation, but dealt only with the immediate difficulties of the Indian system. They did not inquire whether the affiliating system could be replaced by any other mode of organisation, nor whether all schools might be placed under some public authority which would be representative of the universities and of the departments. They assumed the permanent validity of the existing system, in its main features, and set themselves only to improve and to strengthen it.

Statement of Educational Progress in British India

		1926-27.	1927-28	1928-29	1929-30	1930-31	1931-32
Area in square miles							
Population	{ Male { Female	1,091,333 127,014,953 120,288,470 217,333,423	1,091,333* 127,042,963 120,285,483 247,327,916	1,091,335 127,042,463 120,287,483 247,327,046	1,091,359 127,043,304 120,287,304 247,330,413	1,093,122 110,077,750 131,710,612 271,788,382	1,094,152 140,075,258 131,704,893 271,780,151
Total Population							
<i>Recognised Institutions for Males</i>							
Number of arts colleges		213	217	223	222	221	223
Number of high schools*		2,411	2,497	2,550	2,612	2,724	2,801
Middle Schools	{ English { Vernacular	3,201 4,728	3,394 5,131	3,524 5,186	3,603 5,766	3,798 5,927	3,875 5,894
Number of primary schools		102,666	168,618	171,396	172,686	172,230	168,835
<i>Male Scholars in Recognised Institutions</i>							
In arts colleges (a)		70,035	71,031	73,936	76,383	71,895	78,014
In high schools *		739,375	760,078	803,016	843,745	844,307	862,713
Middle Schools	{ English { Vernacular	347,483 582,002	380,880 656,680	406,087 690,617	422,721 743,235	412,492 772,896	410,150 751,321
In primary schools		6,707,479	7,031,554	7,213,518	7,332,678	7,381,100	7,377,257
Percentage of male scholars in Recognised Institutions to male population		6.9	7.20	7.10	7.67	8.99	6.96
<i>Recognised Institutions for Females</i>							
Number of arts colleges §		19	19	19	19	20	20
Number of high schools*		211	262	278	302	312	321
Middle Schools	{ English { Vernacular	290 432	295 117	314 120	318 101	330 481	357 490
Number of primary schools		20,032	28,631	30,302	31,408	32,151	32,635

* High Schools include vernacular high schools also in some provinces
 § Includes Intermediate and Second Grade Colleges of the new type
 (a) Includes scholars in University Departments and the Intermediate and second Grade Colleges (including Intermediate colleges of the new type)

Statement of Educational Progress in British India—contd

	1923-27	1927-28	1928-29	1929-30	1930-31	1931-32
<i>Female Scholars in Recognised Institutions</i>						
In arts colleges (a)	1,033	2,000	2,240	2,701	3,714	2,363
In high schools*	54,823	62,770	69,510	70,005	75,570	92,538
Middle Schools	30,905	36,807	40,365	41,141	43,272	51,195
	93,116	20,305	101,701	113,148	122,025	136,113
In primary schools	1,540,231	1,631,114	1,500,073	1,391,101	1,051,519	2,077,101
Percentage of female scholars in recognised institutions to female population	1.46	1.53	1.60	1.70	1.72	1.70
<i>TOTAL SCHOLARS in recognised institutions</i>						
Male	8,777,719	9,260,200	9,511,109	9,718,491	9,703,043	10,700,077
Female	1,751,011	1,500,800	2,012,188	2,110,553	2,204,151	3,331,169
Total	10,528,730	11,161,000	11,523,297	11,829,044	12,007,194	14,031,246
<i>TOTAL SCHOLARS (both male and female) in all institutions</i>						
Male	11,177,903	11,777,222	12,110,831	12,511,126	12,651,000	14,031,246
Female	731,133	770,778	740,460	807,918	756,194	1,000,000
Total	11,909,036	12,548,000	12,851,291	13,319,044	13,407,194	15,031,246
<i>Percentage of total scholars to population</i>						
Male	1.53	1.60	1.74	1.80	1.80	1.80
Female	1.51	1.70	1.92	2.00	1.67	1.70
Total	1.52	1.65	1.83	1.90	1.73	1.75
<i>Number of Pupils in Class IV</i>						
Male	717,033	717,033	703,170	703,054	777,013	821,013
Female	285,522	285,522	312,314	303,065	321,464	357,013
Total	1,002,555	1,002,555	1,015,484	1,006,119	1,098,477	1,178,026
<i>Expenditure (in thousands of rupees)</i>						
From provincial revenues	11,93,33	12,00,92	13,13,10	13,25,38	13,00,97	12,16,01
From local funds	2,42,70	2,52,71	2,50,25	2,75,09	2,81,17	2,80,01
From municipal funds	1,23,21	1,28,17	1,31,80	1,40,50	1,51,12	1,58,17
Total Expenditure from public funds	15,59,24	16,11,80	17,12,21	17,50,01	17,00,20	16,81,19
From fees	5,21,27	5,11,72	5,73,18	6,01,01	6,11,50	6,22,70
From other sources	3,77,07	3,92,26	4,16,90	3,88,17	4,17,70	4,11,08
GRAND TOTAL OF EXPENDITURE	24,58,48	25,82,78	27,07,12	27,12,82	28,31,01	27,18,57

* High Schools include vernacular high schools also in some provinces

(a) Includes scholars in University Departments and in the Intermediate and Second Grade Colleges (including Intermediate colleges of the new type) N B—In the educational tables of most provinces the new census figures of 1931 have been used, hence the percentages for 1931 are not strictly comparable with those for 1930

Recent Developments.

Government of India Resolutions on Indian Educational Policy—The Indian Universities Act of 1904 was followed by two important resolutions of the Government of India on Indian Educational Policy—one in 1904 and the other in 1913. The resolution of 1904 was comprehensive in character and reviewed the state of education in all its departments. The following passage from it summarises the intentions of Government—

"The progressive devolution of primary, secondary and collegiate education upon private enterprise and the continuous withdrawal of Government from competition therewith was recommended by the Educational Commission in 1883 and the advice has generally been acted upon. But while accepting this policy, the Government of India at the same time recognise the extreme importance of the principle that in each branch of education Government should maintain a limited number of institutions, both as models for private enterprise to follow and in order to uphold a high standard of education. In withdrawing from direct management it is further essential that Government should retain a general control, by means of efficient inspection, over all public educational institutions." The comprehensive instructions contained in this resolution were followed in the next few years by the assignment to the provinces of large Imperial grants, mainly for University, technical and elementary education. The resolution of 1913 advocated, *inter alia*, the establishment of additional but smaller Universities of the teaching type, it reaffirmed the policy of reliance on private effort in secondary education, it recommended an increase in the salaries of teachers and an improvement in the amounts of grants in aid, and it insisted on proper attention being paid to the formation of character in the education given to scholars of all grades. It further discussed the desirability of imparting manual instructions and instruction in hygiene, the necessity for medical inspection, the provision of facilities for research, the need for the staffing of the girls' schools by women teachers and the expansion of facilities for the training of teachers. The policy outlined in 1913 materially accelerated progress in the provinces, but the educational developments foreshadowed were in many cases delayed owing to the effects of the Great War.

Department of Education, Health and Lands of the Government of India—In 1910 a Department of Education was established in the Government of India with an office of its own and a Member to represent it in the Executive Council. The first Member was Sir Harcourt Butler. In 1923, the activities of the Department were widened, in the interests of economy, by absorption in it of the Department of Revenue and Agriculture. The enlarged Department has been designated the Department of Education, Health and Lands. Sir Fazl-i-Husain and Mr G. S. Bappai are the present Member and Secretary, respectively. The Department possesses an educational adviser styled Educational Commissioner.

The present Educational Commissioner is Sir George Anderson, Kt., C.S.I., C.I.E., M.A.

Calcutta University Commission—The Report of the Calcutta University Commission was published in August 1919 and in the following January the Government of India issued a Resolution summarising the main features of the Report and the recommendations of the Commissioners.

The Government of India drew special attention to the following points in the Report—

- (i) High schools fail to give that breadth of training which the developments of the country and new avenues of employment demand.
- (ii) The intermediate section of University education should be recognized as part of school education and should be separated from the University organisation.
- (iii) The defects of the present system of affiliated colleges may be mitigated by the establishment of a strong central teaching body, the incorporation of unitary universities (as occasion arises), a modification of the administrative machinery which will admit of fuller representation of local interests, and supervision of different classes of institutions by several appropriately constituted bodies.

The Commission gave detailed suggestions for the reorganisation of the Calcutta University, for the control of secondary and intermediate education in Bengal and for the establishment of a unitary teaching University in Dacca. These measures concerned only Bengal but it was generally recognised that some of the criticism made by the Commissioners admit of a wider application. Committees were consequently appointed by the Universities of Madras, Bombay, Patna and the Punjab to consider the findings of the Commission. In the United Provinces two committees were appointed, one to prepare a scheme for a unitary teaching University at Lucknow, the second to consider measures for the reorganisation of the Allahabad University and the creation of a Board to control secondary and intermediate education.

In Bengal the first outcome of the Commission's Report was the passing of the Dacca University Act in the Imperial Legislative Council in March 1920 mentioned in detail elsewhere. It is remarkable that the University which appears to have been least affected by the recommendations of the Calcutta University Commission has been the Calcutta University itself. In spite of many discussions and draft proposals by both the University and the Government the organisation of the Calcutta University has remained unaffected.

The Reforms Act—The Reforms Act of 1919 has altered the conditions of educational administration in India. Education is now a 'transferred' subject in the Governors' provinces and is, in each such Province, under the charge of a Minister. There are, however, some exceptions to this new order of things. The education of Europeans is a 'Provincial reserved' subject, i.e., it is not within the charge

of the Minister of Education and to the Government of India are still reserved matters relating to Universities like Aligarh, Benares and Delhi and all such new universities as may be declared by the Governor General in Council to be central subjects. The Government of India are also in charge of the Chiefs' Colleges and of all institutions maintained by the Governor-General in Council for the benefit of members of His Majesty's Forces or of other public servants or of the children of such members or servants.

Hartog Committee on Education—The most notable event in recent years has been the appointment of the Auxiliary Committee of the Indian Statutory Commission, under the Chairmanship of Sir Philip Hartog, to report on the growth of education in India. The report of the Committee, which was published in 1924, constitutes a valuable document on the present state of education in India.

Lindsay Commission—Another Commission, which deserves mention, was appointed in 1929 by the International Missionary Council to investigate the various problems connected with the higher education provided by the various Missionary bodies working in India. It was presided over by Dr A. D. Lindsay, Master of Balliol College, Oxford. The Commission visited India in 1930-31 and its report was published in 1931.

The Punjab University Enquiry Committee was appointed in 1932 and submitted its report in the following year. The committee reported that "the University is overburdened by the immense area of its jurisdiction and by the ever increasing number of its students many of whom are ill fitted for such education." The main recommendation was that the school system should be re-adjusted so that many pupils would be diverted at an earlier age to vocational and other forms of education.

Administration—The transfer of Indian education to the charge of a Minister responsible to the Provincial Legislative Council, of which he himself is an elected member, has brought the subject directly under popular control in the ten major provinces. Generally speaking, education, excluding European education, is not, however, under the charge of a single Minister in all the provinces of India. Generally speaking education, excluding European education, is not, however, under the charge of a single Minister, certain forms of education have been transferred to the technical departments concerned and come within the purview of the Minister in charge of those departments. In each province, the Director of Public Instruction is the administrative head of the Department of Education and acts as adviser to the Education Minister. He controls the inspecting staff and the teaching staff of Government institutions and is generally responsible to the local government for the administration of education. The authority of Government, in controlling the system of public instruction, is in part shared with and in part delegated to Universities as regards higher education and to local bodies as regards elementary and vernacular education. In some provinces, boards of secondary, or of secondary and intermediate, education have also been set up and have to some extent relieved the Universities in those

provinces of their responsibilities in connection with intermediate education and with entrance to a University course of studies. Institutions under private management are controlled by Government and by local bodies by "recognition" and by the payment of grants in aid, with the assistance of the inspecting staffs employed by Government and in rarer cases by local bodies.

Educational Services—Until recently, the educational organisation in India consisted mainly of three services—(i) the Indian Educational Service, (ii) the Provincial Educational Service, and (iii) the Subordinate Educational Service. The Indian Educational Service came into existence as a result of the recommendations made by the Public Services Commission of 1886, and in 1896 the Superior Educational Service in India was constituted with two divisions—the Indian Educational Service staffed by persons recruited in England and the Provincial Educational Service staffed by persons recruited in India. These two divisions were originally considered to be collateral and equal in status, though the pay of the European recruit was higher by approximately 50 per cent than the pay of the Indian recruit. Gradually, however, status came to be considered identical with pay and the Provincial Educational Service came to be regarded as inferior status to the Indian Educational Service. Later as a result of the recommendations of the Islington Commission of 1912-16, the Indian Educational Service was formed into a superior educational service and all posts were thrown open to Indian recruitment. The Provincial Educational Service was simultaneously reorganised and a number of posts, generally with their Indian incumbents, were transferred to the superior service. This reorganisation resulted in a considerable Indianisation of the superior educational services in India. It was then laid down that the proportion of Indians in this service should on an average be 50 per cent of the total strength, excluding the posts in Burma.

In 1924, all recruitment to the Indian Educational Service was stopped as a result of the recommendations of the Royal Commission on the superior services in India. The Commission recommended that "for the purposes of local Governments no further recruitment should be made to the all-India services which operate in transferred fields. The personnel required for these branches of administration should in future be recruited by local Governments." The Commission further recommended in regard to the question of the future recruitment of Europeans that "it will rest entirely with the local Governments to determine the number of Europeans who may in future be recruited. In this matter the discretion of local Government must be unfettered but we express the hope that Ministers on the one hand will still seek to obtain the co-operation of Europeans in these technical departments and that qualified Europeans on the other hand may be no less willing to take service under local Governments than they were in the past to take service under the Secretary of State." As a result of the acceptance of these recommendations the Indian Educational Service is dying out and with the gradual retirement of its existing

members, the history of the service which has had a brief but fine record will be brought to an end. The present organisation of education in the provinces is largely the work of members of this service, while in the sphere of higher education, it has trained many men of more than ordinary attainments.

The new Provincial Educational Services which function under provincial control as the superior educational services have been constituted in most provinces. These schemes vary from province to province, but it may be generally remarked that, while the rates of pay are not uniform, they consist of two main classes—I into which the existing Indian Educational Services have been merged for the time being,

and class II which may be said to represent the old Provincial Educational Service.

The existing Provincial and Subordinate Educational Services in the provinces have been affected, more in some provinces than others, by the changes which have taken place since 1919. Communal interests have influenced recruitment, and in some places they have influenced promotions also, in a direction which has not always tended towards service contentment. But these results are the natural consequences of the devolution of control of education and power of recruitment to provincial and local authorities and will for some time continue to affect the efficiency of the Education Departments in the provinces.

Statistical Progress

The two tables given below afford useful comparisons with previous years and serve to illustrate the growth and expansion of education in India.

(a) STUDENTS

Year	In Recognised Institutions			In All Institutions (Recognised and Unrecognised)		
	Males	Females	Total	Males	Females	Total
1911-12	5,253,065	875,660	6,128,725	5,828,182	952,130	6,780,312
1916-17	6,050,840	1,156,468	7,207,308	6,621,527	1,230,410	7,851,936
1921-22	6,401,431	1,340,812	7,742,273	6,962,979	1,418,422	8,381,401
1926-27	8,777,739	1,751,611	10,529,350	9,315,140	1,842,356	11,157,496
1927-28	9,260,266	1,899,800	11,160,176	9,778,737	1,996,445	11,775,222
1928-29	9,515,109	2,032,398	11,547,507	10,028,086	2,137,753	12,165,839
1929-30	9,748,749	2,119,853	11,868,602	10,256,914	2,258,212	12,515,126
1930-31	9,796,083	2,260,151	12,056,837	10,313,493	2,375,593	12,689,086
1931-32	9,752,937	2,359,529	12,112,466	10,273,588	2,402,610	12,776,197

(b) EXPENDITURE

Year	Total expenditure on education in British India	
	Public Funds	Total
	Rs	Rs
1911-12	4,05,23,072	7,85,92,605
1916-17	6,14,80,471	11,28,81,068
1921-22	11,49,61,178	18,37,52,969
1926-27	15,59,23,968	24,58,47,572
1927-28	16,45,80,915	25,82,78,819
1928-29	17,12,24,514	27,07,32,254
1929-30	17,50,03,644	27,42,82,018
1930-31	17,99,26,248	28,31,61,446
1931-32	16,84,19,016	27,18,56,622

In 1931-32 the total expenditure on education in British India amounted to Rs 27,18,56,622 of which 45.1 per cent came from Government funds, 16.1 per cent from District Board and Municipal funds, 22.0 per cent from fees and 15.2 per cent from all other sources.

The average annual cost per scholar amounted to Rs 22.69 as follows: to Government funds Rs 10-4-5, to local funds Rs 3-9-10, to fees Rs 5-2-2 and to other sources Rs 3-6-4.

The following table provides an interesting

and valuable comment on the state of education in India in 1931-32. Although the statistical returns show 12 millions of pupils at school, it will be seen that over 76 per cent of these are in the lower primary stage, and it may safely be deducted that over 80 per cent of those at school never become literate. Of course, the total number of pupils at school is not a safe criterion of the state of education, and a sounder standard of comparison would be that number multiplied by the average period spent at school.

SCHOLARS BY CLASSES AND AGES, 1931-32 •

(1)—Schools for General Education

Class	Primary				Middle				High				Totals.	
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII		
Ages—														
Below 5	134,882	2,319	358	37	1									137,597
5 to 6	1,159,779	68,029	6,339	613	14	1								1,231,379
6 to 7	1,433,785	271,143	45,171	6,823	671	14	1							1,737,042
7 to 8	1,108,490	435,082	159,906	98,231	7,195	755	12	10	1					1,719,705
8 to 9	669,882	480,191	271,199	97,382	29,829	5,335	307	71	6					1,651,962
9 to 10	339,263	367,196	328,510	161,358	67,198	18,007	3,931	708	767	1				1,336,592
10 to 11	188,440	227,571	270,831	207,099	109,746	42,088	14,612	3,101	350	21				1,071,105
11 to 12	88,009	127,461	189,877	195,411	132,221	67,418	33,033	11,024	2,074	26	1			847,711
12 to 13	41,431	60,237	107,873	142,507	112,323	77,732	52,916	27,558	8,015	1,151	18			632,272
13 to 14	20,837	27,113	53,153	81,773	78,692	65,212	59,492	38,274	18,603	6,608	1,181	80		451,012
14 to 15	11,288	13,192	25,419	41,779	47,214	40,361	52,082	43,082	24,000	15,411	5,982	321		327,385
15 to 16	7,898	7,760	11,635	19,877	23,201	28,019	38,578	41,091	26,709	22,180	13,699	982		241,005
16 to 17	6,360	5,143	5,896	9,654	10,761	13,837	23,200	28,763	10,834	21,410	16,530	1,918		163,320
17 to 18	5,322	4,226	3,733	4,783	4,195	6,476	12,131	17,821	12,121	15,709	14,403	2,582		104,102
18 to 19	4,663	3,997	2,824	2,820	2,057	2,858	5,772	9,348	6,182	9,949	9,771	2,206		62,837
19 to 20	3,876	3,145	2,511	2,155	985	1,190	2,534	4,431	2,702	5,716	6,160	1,965		37,100
Over 20	7,240	5,480	4,502	3,531	1,629	380	1,654	3,680	1,631	3,600	5,924	2,986		42,206
TOTAL	5,281,353	2,110,826	1,496,070	1,016,436	627,641	370,377	301,314	228,099	124,210	102,482	73,845	13,147		11,773,252

Note—The classification of primary, middle and high departments of schools is not uniform in all the Provinces

* This table is prepared every five years. The last table, given in the previous Year Book, related to the year 1926-27

The different types of institutions with the scholars in attendance at them are shown in the following table —

Types of Institutions	Number of Institutions		Number of Scholars	
	1931	1932	1931	1932
<i>Recognised Institutions</i>				
Universities	16	16	8,189	9,091
Arts Colleges	244	243	66,837	72,351
Professional Colleges	73	74	17,002	18,048
High Schools	3,036	3,125	930,186	955,051
Middle Schools	10,545	10,616	1,356,225	1,342,468
Primary Schools	204,384	201,470	9,362,748	9,454,360
Special Schools	8,891	7,260	315,650	271,094
Total of Recognised Institutions	227,189	222,804	12,056,837	12,122,466
Unrecognised Institutions	34,879	34,988	632,249	644,071
Grand total of all Institutions	262,068	257,792	12,689,086	12,766,537

Primary Education—The primary schools are mainly under the direction of the local boards and municipalities. In 1911, the late Mr G K Gokhale pleaded in the Imperial Legislative Council for a modified system of compulsory primary education, but Government was unable to accept the proposal mainly for financial reasons. In recent years, eight provincial legislatures have passed Primary Education Acts authorising the introduction of compulsory education by local option. Bombay led the way in this matter by a private Bill which was passed into law in February 1918. The other private Bills which followed were those of Bihar and Orissa passed in February 1919, of Bengal passed in May 1919 and of the United Provinces, passed in June 1919. Of the Government measures, the Punjab Act was passed in April 1919, the Central Provinces Act in May 1920, the Madras Act in December 1920 and the Assam Act in 1925. The City of Bombay Primary Education Act of 1920 extends generally the provisions of the 1918 Act to the Bombay Corporation also enabling it to introduce free compulsory education ward by ward. Not content with this, the Bombay legislature passed a new Act in 1923 to provide for compulsory elementary education and to make better provision for the management and control of primary education in the Bombay Presidency. The Bombay and the United Provinces Acts apply only to municipalities, the Bengal Primary Education Act applies, in the first instance, to municipalities, but is capable of extension to rural areas. Boys only are included within the scope of the Punjab, Bihar and Orissa and Bengal Acts while the Central Provinces Act is capable of extension to girls, and the remaining Acts are applicable to both sexes. The United Provinces legislature passed a second Primary Education

Act in 1926, viz., the United Provinces District Boards Primary Education Act. It allows the District Boards to introduce compulsion within their areas. All the Acts are drafted on very similar lines. If a local body at a special meeting convened for the purpose decides by a two-thirds majority in favour of the introduction of compulsion in any part of the area under its control, it may then submit to Government, for approval, a scheme to give effect to its decision. The scheme must be within the means of the local body to carry out with reasonable financial assistance from Government. Ordinarily the age limits of compulsion are from six to ten years though provision is made for prolonging the period. Provision is also made in all the Acts for the exemption of particular classes and communities and for special exemption from attendance in cases of bodily infirmity. Walking distance to a school is generally defined as one mile from the child's home. The employment of children, who should be at school, is strictly forbidden and a small fine is imposed for non-compliance with an attendance order. The Acts generally provide that, subject to the sanction of the local Government, education where compulsory shall be free. The Madras Elementary Education Act of 1920 contained such provision, but it has recently been amended so as to allow fees to be charged in schools under private management situated in areas where education is compulsory, reserving however a number of free places for poor pupils in such schools in areas where there are no free schools. Such in brief are the ordinary provisions of the various provincial Education Acts. Local bodies have not however shewn as yet any great alacrity in availing themselves of the opportunity afforded them by these Acts.

Compulsory Primary Education—The following table shows the urban and rural areas in which compulsion had been introduced by the year 1931-32 —

Province	Acts	Areas under "Compulsion"	
		Urban areas	Rural areas
Madras	Elementary Education Act, 1920	25	7 (a)
Bombay	Primary Education (District Municipalities Act, 1918)	4	
	City of Bombay Primary Education Act, 1920	1 (b)	
	Primary Education Act, 1923	5	2
Bengal	Primary Education Act, 1919 & 1930	1	
United Provinces	Primary Education Act, 1919	37	
	District Boards Primary Education Act, 1926		24 (c)
Punjab	Primary Education Act, 1919	54	2,924 (d)
Bihar and Orissa	Primary Education Act, 1919	1	3
Central Provinces and Berar	Primary Education Act, 1920	24	422 (e)
	Primary Education Act, 1926		
Assam			
Delhi	(Punjab Act extended to Delhi, 1925)	1	10
Total		153	3,392

(a) Taluk Boards (the number of villages in 1930-31 was 206)

(b) For Bombay City only

(c) Excludes *Banda Board* in whose area compulsory education was abolished in February 1931

(d) Individual School areas

(e) Villages

N B—This table does not include areas for which schemes of compulsory primary education are under consideration or have been sanctioned but not yet introduced. It includes, on the other hand, areas in which such schemes have been partially introduced.

The poverty of local bodies is usually the cause assigned to their diffidence to introduce compulsory education to any appreciable extent.

On the 31st March 1932, there were 201,470 recognised primary schools in British India containing 9,454,360 scholars. (The latter figure does not include scholars reading in the primary classes of secondary schools.) The total direct expenditure on primary schools, during the year 1931-32, amounted to Rs 8,12,60,290.

Secondary and High School Education—In 1911-12 there were 1,219 high schools in India and in 1930-31 the number had risen to 3,036 the number of scholars in the former year being 390,881, and in the latter year 930,186. Some attempts have been made to give a greater bias towards a more practical form of instruction in these schools. The Commission of 1882 suggested that there should be two sides in secondary schools, one leading to the entrance examination of the universities, the other of a more practical character, intended to fit youths for commercial and other non literary pursuits. Some years later, what were called B and C

classes were started in some schools in Bengal but, as they did not lead to a university course, they have not been successful. In more recent years the Government of India have advocated the institution of a school final examination in which the more practical subjects may be included. Efforts have also been made to improve the conduct of the matriculation and to emphasise the importance of oral tests and of school records. In Madras, this examination, which was placed under the direction of a Board representative of the University and of Government, proved somewhat cumbersome and certain modifications were made. In the United Provinces and the Central Provinces the control of secondary education has been made over to special Boards created for this purpose. Similarly, the Administration of Delhi has established a Board of Secondary Education for that province and the Government of India have established a Board of Intermediate and High School Education, with headquarters at Ajmer, for Rajputana, Central India and Gwalior. In the Punjab the school leaving examination is conducted by a Board. But the main difficulty

has not yet been touched. The University which recognises the schools has no money where with to improve them and the Department of Public Instruction, which allots the Government grants, has no responsibility for the recognition of schools and no connexion whatever with the private unaided schools. This dual authority and this division of responsibility have had unhappy effects. The standard of the schools also is very low so that the matriculates are often unable to benefit by the college courses. In some provinces an endeavour has been made to raise the standard of the schools by withdrawing from the University the Intermediate classes and by placing them in a number of the better schools in the State.

There are schools for Europeans and Anglo-Indians which are placed under the control of special inspectors for European Schools. The education of the domiciled community has proved to be a perplexing problem, and in 1912 a conference was summoned at Simla to consider the matter. The difficulty is that European Schools are very remote from the general system of education in India. But efforts are being made to bring these schools more into line with the ordinary schools, and Indian Universities generally are affording special facilities for Anglo-Indian boys who may proceed for higher education in Indian colleges.

Medium of instruction in public schools—The position of English as a foreign language and as a medium of instruction in public schools was discussed by a representative conference which met at Simla in 1917 under the Chairmanship of Sir Sankaran Nair, the then Education Member. Although it was generally conceded that the teaching of school subjects through a medium which was imperfectly understood led to cramming and memorising of text-books, the use of English medium was defended by some on the ground that it improved the knowledge of English. The result of the conference was therefore inconclusive. Some local authorities have since then approved of schemes providing for the recognition of local vernaculars as media of instruction and examination in certain subjects. There seems to be no doubt that the use of the vernacular as the medium of instruction and examination is gradually increasing all over India.

Boy Scout Movement—A happy development in recent years has been the spread of the boy scout movement which has had an excellent effect in all provinces in creating amongst boys an active sense of good discipline.

The following statistics show the wide extent of the movement —

Boy Scouts, 1932

Province	No. of groups	Total of all ranks
Madras	389	11,282
Bombay	1,008	36,642
Bengal		8,526
United Provinces	245	6,291
Punjab	1,140	37,462
Burma	205	5,904
Bihar and Orissa	234	8,241
Central Provinces	1,328	36,167
Assam	96	2,425
North-West Frontier Province	91	4,116
Coorg		
Delhi	9	791
Ajmer Merwara		
Baluchistan	14	551
Bangalore	21	865
Other Administered Areas	49	2,494
Indian States	760	27,994
Total	5,589	189,751

Girl Guide Movement—This movement is making steady progress. There is, however, a lack of those competent and willing to give instruction.

Medical Inspection—Arrangements have been made for medical inspection of scholars but progress has been hampered by the shortage of funds and the continued indifference of parents. In the United Provinces, schools are now inspected by officers of the Public Health Department. In Madras, the scheme of medical inspection of schools has been made compulsory in all Government institutions, and it has been made a condition of recognition that all secondary schools should introduce the scheme. As a measure of economy, however, the payment of grants for medical inspection has been suspended, but the question of reorganising the system on an improved basis is under consideration. Owing to lack of funds, it has not been possible for the Bombay Government to set up an agency to direct and organise medical inspection work in schools on a satisfactory basis. In Burma, the work of medical inspection has been temporarily suspended on account of retrenchment. In Bihar and Orissa, certain posts of school medical officers were abolished in 1932, for the same reason, but it has since been found possible to revive them. There is, however, still need for adequate facilities for the treatment of children suffering from diseases. The experimental measure introduced in five districts of the Punjab, however, appears to be working well in the Gujran district alone. The number of diseased boys who were treated successfully has risen from 46 to 69 per cent in the district.

The activities of Junior Red Cross and St John Ambulance Societies have been particularly beneficial in improving the health of school children and in interesting them in the health of others.

Intermediate Colleges—One important part of the Calcutta University Commission's recommendations has been accepted by the Government of the United Provinces and the Government of India and incorporated in the Acts establishing the Lucknow and Dacca and reconstituting that of Allahabad, namely, the separation of the intermediate classes from the sphere of university work and of the two top classes of night schools from the rest of the school classes. The separated classes have been combined together and the control over them has been transferred from the University Board of Secondary to the University.

Such a Board was created by a notification of the Government of Bengal in 1921. It contains twenty-two members of whom seven are elected by the

University. The United Provinces Board was constituted by an Act passed in the same year. It consists of some forty members of whom approximately one quarter represent the Universities in the Province. The Aligarh Muslim University has, however, reverted to the old system under which the Intermediate classes form part of the University, and the separate Intermediate College has been abolished. In Ajmer-Merwara, the Intermediate classes are under a separate Board which operates in Rajputana, Central India and Gwalior. Intermediate Colleges of the new type have also been established in the Punjab, but they are affiliated to the Punjab University.

Professional and Technical Education—A research institute in agriculture was started by Lord Curzon at Pusa in Bihar, which has done valuable work. Conferences have been held at Pusa, Simla and Poona, with the object of providing a suitable training in agriculture. A Royal Commission on Agriculture has submitted its report and as a result of its recommendations an Imperial Council of Agricultural Research has been established by the Government of India at their headquarters. Among commercial colleges, the most important is the Sydenham College of Commerce in Bombay. Industrial institutions are dotted about India, some maintained by Government, others by municipalities or local boards, and others by private bodies. The most important are the Victoria Jubilee Technical Institute in Bombay. The Indian Institute of Science at Bangalore, the product of generous donations by the Tata family. The tendency in recent years has been to place these institutions under the control of the Departments of Industries. In addition to a number of engineering schools, there are Engineering Colleges at Roorkee, Sibpur, Poona, Madras, Rangoon, Patna and Benares each of which except that at Roorkee is affiliated to a university. The engineering colleges maintain a high standard and great pressure for admission is reported from several provinces. There are schools of art in the larger towns where not only architecture and the fine arts are studied, but also practical crafts like pottery and iron work. There are two forest colleges at Dehra Dun and Coimbatore and a Technical Institute is in existence at Cawnpore and a Mining School at Dhanbad. Mining and metallurgy are also taught by the Mining and Metallurgical College at Benares which provides a 4-year course leading to a B.Sc. degree in each subject. Provision has been made by the Government of India for the training of cadets for the Mercantile Marine Service and a ship "I.M.M.T.S. Dufferin" has been stationed for this purpose in Bombay waters.

There are now 18 Universities in India, of which two are situated in Indian States. The following table gives the latest available figures and certain other particulars about these Universities —

Statistics of Universities—1933

University	Type †	Original Date of Foundation	Faculties ‡	No of Members of Teaching Staff in 1932		No of Students in 1932		No of Students who graduated in Arts and Science in 1932	REMARKS
				In University Departments	In Affiliated Colleges §	In University Departments	In Affiliated Colleges §		
1	2	3	4	5	6	7	8	9	10
1 Calcutta	Affiliating and Teaching	1857	A, Sc, L, M, Eng	239	1,320	1,257	25,303	2,044	Degrees in Commerce and Education are also awarded
2 Bombay	Affiliating and Teaching	1857	A, Sc, L, M	1	773	87	14,112	1,016	Degrees in Commerce, Education, Agriculture and Engineering are also awarded
3 Madras	Affiliating and Teaching	1857	A, Sc, Ed, L, M, Eng, Ag, Com, O, F A	28	1,346	70	16,540	1,527	Degrees and Diplomas in Oriental Learning and Economics are also awarded
4 Punjab	Affiliating and Teaching	1882	O, A, Sc, M, L, Ag Com Eng	85	927	736	16,232	1,923	Faculty of Arts includes Education
5 Allahabad	Unitary	1887	A, Sc, L, Com	105		1,746		465	Reconstituted in 1921
6 Benares Hindu	Unitary	1916	A, Sc, O, Ph, L, M	190		2,993		195	
7 Mysore*	Teaching	1916	A, Sc, M, Eng & Teach	302		2,833		353	Degrees in Commerce and Education are also awarded
8 Patna	Affiliating	1917	A, Sc, L, Edn, M, Eng		336		4,739	252	

* Situated in an Indian State outside British India

† An 'Affiliating' University is a University which recognises external colleges offering instruction in its courses of studies, a 'Teaching' University is one in which some or all of the teaching is controlled and conducted by teachers appointed by the University, a 'Unitary' University is one, usually localised in a single centre, in which the whole of the teaching is conducted by teachers appointed by and under the control of the University

‡ Faculties — A = Arts, Ag = Agriculture, Com = Commerce, Ed = Education (Teaching), Eng = Engineering, F = Forestry, F A = Fine Arts, L = Law, M = Medicine, O = Oriental Learning, Sc = Science, Tech = Technology, Th = Theology

§ The term "Affiliated Colleges" here includes all colleges affiliated to, associated with or recognised by a University of any type

University	Type	Original Date of Foundation	Faculties	No. of Members of Teaching Staff		No. of Students		No. of Students who graduated in Arts and Science	REMARKS
				In University Departments	In Affiliated Colleges	In University Departments	In Affiliated Colleges		
1	2	3	4	5	6	7	8	9	10
9 Osmania*	Teaching	1918	A, Th, Sc, M, Ling, Ed, L	165		856		61	....
10 Aligarh Muslim	Unitary	1920	A, Sc, L, Ed, Th	105		1,150		132	There are Departments of Studies in various subjects instead of Faculties
11 Rangoon	Teaching	1920	A, Sc, M, Ling, Ed	168	10	1,551	123	97	There are Boards of Studies in various subjects instead of Faculties
12 Lucknow	Unitary	1920	A, Sc, M, L, Com	120		1,813		206	Diplomas in <i>Education</i> and <i>Oriental Languages</i> are also awarded
13 Dacca	Unitary	1921	A, Sc, L	107		1,063		172	Degrees in <i>Commerce</i> and <i>Education</i> are also awarded
14 Delhi	Teaching	1922	A, Sc, L	11	90	98	1,928	161	
15 Nagpur	Affiliating and Teaching	1923	A, Sc, L, Ed, Ag	7	125	315	2,000	252	
16 Andhra	Affiliating	1926	A, Sc, M, Ed, O	6	327	30	3,775	517	
17 Agra	Affiliating	1927	A, Sc, Com, L, Ag		410		2,985	399	
18 Annamalai	Unitary	1929	A, Sc, O	68		561		82	

Inter-University Board—The idea put forward by the Indian Universities Conference in May 1924 for the constitution of a central agency in India took practical shape and an Inter University Board came into being during 1925. Twelve out of fifteen universities joined the Board. Its functions are—

(a) to act as an inter university organisation and a bureau of information,

(b) to facilitate the exchange of professors,

(c) to serve as an authorised channel of communication and facilitate the co-ordination of university work.

(d) to assist Indian universities in obtaining recognition for their degrees, diplomas and examinations in other countries,

(e) to appoint or recommend, where necessary, a common representative or representatives of India at Imperial or International conferences on higher education,

(f) to act as an appointments bureau for Indian universities

(g) to fulfil such other duties as may be assigned to it from time to time by the Indian Universities

Each member University has to make a fixed annual contribution towards the expenses of the Board.

The meetings of the Board are held yearly. The Board consists of one representative of each of the member Universities and one representative of the Government of India.

The Board has not yet had much influence on University policy in India but it has done a considerable amount of useful work in collecting information and in stimulating thought regarding current University problems.

Education of Indian Women and Girls

There is still a leeway to be made good (the influences which operate against the spread of education amongst the boys are reinforced in the case of women by the *purdah* system and the custom of early marriage).

Arts colleges, medical colleges, and the like admit students of both sexes, and a few girls attend them. The Lady Hardinge Medical College for Women at Delhi gives a full medical course for medical students. The Shreemati Nathibai Damodhar Thackersey Indian Women's University was started some ten years ago by Professor Karve. It is a private institution and is doing good pioneer work.

The All-India Women's Conference on Educational Reform, which holds its meetings annually and has constituent conferences established all over the country, is also doing much useful work. An All-India Women's Education Fund Association has also been established in connection with this Conference. The Association appointed in 1930 a special committee to enquire into the feasibility of establishing a central Teachers' Training College of a specialised Home Science character. This committee reported at the end of the year recommending the establishment of such a college "on absolutely new lines which would synthesise the work of existing provincial colleges by psychological research" and the Governing Body of the Association supported the proposal at the Annual General Meeting of the Association which has adopted it. A college, called the Lady Irwin College, has since been established in New Delhi.

The comparative statement below shows the state of women's education during 1931-32

	No of Institutions			No of Scholars		
	1931	1932	Increase or Decrease	1931	1932	Increase or Decrease
Recognized institutions—						
Arts Colleges	20	20	—	1,546	1,337	— 209
Professional Colleges	8	8	—	250	283	+ 33
High Schools	312	324	+ 12	76,770	81,249	+ 4,479
Middle Schools	820	847	+ 27	115,996	122,780	+ 6,784
Primary Schools	32,154	32,635	+ 481	1,248,268	1,298,713	+ 50,445
Special Schools	400	390	— 10	15,592	15,876	+ 284
Unrecognized institutions	4,193	4,242	+ 49	85,846	92,234	+ 6,388
Total	37,907	38,466	+ 559	1,544,268	1,612,472	+ 68,204

Education in the Army—The Army in India undertakes the responsibility of the education of certain sections of the community. Its activities are directed into various channels with certain definite objects, which may be summarised as follows—

(i) The education of the soldier, British and Indian, in order to—

- (a) develop his training faculties,
- (b) improve him as a subject for military training and as a citizen of the Empire,
- (c) enhance the prospects of remunerative employment on his return to civil life

(ii) The fulfilment of the obligations of the State to the children of soldiers, serving and ex-service (British and Indian)

(iii) The provision, as far as possible, of training for the children of soldiers, who have died in the service of their country

(iv) The creation of a body of Indian gentlemen educated according to English public-school traditions, which should provide suitable candidates for admission to the Royal Military College, Sandhurst.

The Prince of Wales' Royal Indian Military College, Dehra Dun—A Royal Military College has been established at Dehra Dun. The aim of this institution is to provide education on the lines of an English public school for the sons of Indian gentlemen, both civil and military, up to the standard required for the passing of the entrance examination of the Royal Military College, Sandhurst.

The Indian Military Academy, Dehra Dun—As a result of the recommendations of the Indian Military College Committee, which was appointed by the Government of India in 1931, the Indian Military Academy has been instituted at Dehra Dun. With the inauguration of this Academy, a new chapter in Indian history has opened. This Academy, which is to be as good as any similar institution in England, will train Indian young men for King's Commissions in the Army.

Chiefs' Colleges—For the education of the sons and relatives of the Chiefs and Princes of India, whose families rule over one-third of the Indian continent, five Chiefs' Colleges are maintained, viz—

- (i) Mayo College, Ajmer, for Rajputana Chiefs,
- (ii) Daly College, Indore, for Central India Chiefs,
- (iii) Alitchison College, Lahore, for Punjab Chiefs,
- (iv) Rajkumar College, Rajkote, for Kathiawar Chiefs, and
- (v) Rajkumar College, Rajpur, for Central Provinces and Bihar and Orissa Chiefs

In point of buildings, staffs and organisation these institutions approach English Public Schools. Students are prepared for a diploma examination conducted by the Government of India. The diploma is regarded as equivalent to the matriculation certificate of an Indian University. A further four year course of University standard called the Higher Diploma is conducted at the Mayo College. The intermediate and final examination for this Diploma are also held by the Government of India. Its standard is roughly equivalent to that of the B A diploma of an Indian University.

Indigenous Education—Of the 12,766,537 scholars being educated in India 644,071 are classed as attending 'private' or 'unrecognised' institutions. Some of these institutions are of importance. The Gurukula near Hardwar and Sir Rabindra Nath Tagore's school at Bolpur have attained some fame, and the numerous monastery schools of Burma are well-known. Connected with every big Mosque in northern India there is some educational organisation and the schools attached to the Fatehpuri and Golden Mosques at Delhi and the Dar-ul-Ulm, Deoband, are noted. These institutions generally have a religious or 'national atmosphere.

The Ayurvedic and Unani Tibbia College, Delhi, founded by the late Hakim Ajmal Khan, is an important unrecognised institution. It provides instruction in the indigenous system of medicine up to the highest standard and also gives some training in surgery.

Indian students in Foreign Countries—Indian students still proceed to foreign countries, mainly, to Great Britain, America, Japan and Germany, to complete or supplement their education. About thirty years ago the number of Indian students in Great Britain was 400. The number now is well over 2,000, including students at Universities on the Continent and in the United States of America.

The distribution of these scholars in 1931-32 was as follows—

1	In Great Britain and Ireland—		
	England	1,451	} = 1,753
	Wales	30	
	Scotland	235	
	Ireland	37	
2	In Europe—		
	Austria	5	} = 117
	France	34	
	Germany	72	
	Sweden	1	
	Switzerland	5	
3	United States of America —		= 195
	Total ..		= 2,065

Provincial Statistics. The four tables, which are given below, summarise the salient features of educational progress in the different provinces in British India, and will be of general interest.

(i) *Number of Institutions, 1931-32*

Province	NO OF RECOGNISED INSTITUTIONS			NO OF UNRECOGNISED INSTITUTIONS			TOTAL NO OF INSTITUTIONS		
	1931	1932	Increase (+) or Decrease (—)	1931	1932	Increase (+) or Decrease (—)	1931	1932	Increase (+) or Decrease (—)
Madras	56,093	53,547	—3,446	1,820	1,580	—240	58,813	55,127	—3,686
Bombay	16,011	15,693	—48	1,277	1,247	—30	17,288	17,210	—78
Bengal	66,006	67,406	+1,400	1,633	1,630	—3	67,639	69,036	+1,397
United Provinces	23,662	23,520	—142	2,206	2,325	+29	25,868	25,845	—113
Punjab	13,457	12,000	—1,457	6,098	6,472	+226	20,155	18,472	—1,683
Burma	7,567	7,303	—264	17,957	18,194	+237	25,524	25,497	—27
Bihar and Orissa	29,593	29,036	—557	1,896	2,178	+282	31,489	31,214	—275
Central Provinces and Berar	5,312	5,335	+23	225	257	+32	5,537	5,592	+55
Assam	6,513	6,594	+81	601	600	—1	7,114	7,194	+80
North-West Frontier Province	968	987	+19	141	179	+38	1,109	1,166	+57
British India *	227,189	222,804	—4,385	34,879	34,988	+109	262,068	257,792	—4,276

* Includes figures for Minor Administrations and Provinces (centrally administered areas)

(II) Number of Scholars, 1931-32

Province	No of Scholars in Recognised Institutions			No of Scholars in Unrecognised Institutions			Total No of Scholars in All Kinds of Institutions			Percentage of Total Scholars to Population	
	1931	1932	Increase (+) or Decrease (-)	1931	1932	Increase (+) or Decrease (-)	1931	1932	Increase (+) or Decrease (-)	1931	1932
Madras	2,893,519	2,877,504	-10,015	56,500	17,378	-9,188	2,950,115	2,921,882	-28,233	7 0	6 3
Bombay	1,255,148	1,300,618	+45,500	15,163	31,899	-564	1,290,611	1,335,517	+44,936	6 7	6 1
Bengal	2,650,157	2,720,061	+69,904	62,090	63,161	+1,068	2,712,533	2,783,225	+70,692	5 1	5 6
United Provinces	1,451,698	1,457,997	+6,299	61,049	59,991	-1,058	1,512,717	1,517,488	+5,241	7 1	1 1
Punjab	1,259,004	1,200,000	-58,104	126,837	132,967	+6,130	1,385,841	1,333,507	-52,271	5 9	5 6
Burma	545,401	555,013	+9,612	192,866	202,393	+9,527	738,267	727,106	-10,861	5 0	1 3
Bihar and Orissa	1,031,322	1,038,634	+7,312	50,645	56,189	+5,544	1,081,967	1,094,823	+12,856	3 2	2 9
Central Provinces and Berar	434,386	450,491	+16,105	8,932	9,118	+186	113,368	159,042	+45,674	2 9	3 0
Assam	340,348	348,306	+7,958	21,426	21,012	-414	361,774	372,318	+10,544	1 7	1 3
North-West Frontier Province	81,093	83,918	+2,825	3,847	4,571	+704	84,940	88,469	+3,529	3 5	3 6
TOTAL-BRITISH INDIA*	12,056,837	12,122,466	+65,629	632,219	614,071	-11,822	12,689,086	12,766,537	+77,151	1 7	1 7

* Includes figures for Minor Administrations and Provinces (centrally administered areas)

(iii) *Distribution of Scholars in Recognised Institutions, 1932—contd.*

Province	NO OF SCHOLARS IN INSTITUTIONS FOR FEMALE					
	In Arts Colleges	In Professional Colleges	In High Schools	In Middle Schools	In Primary Schools	In Special Schools
Madras	509	66	16,360	6,408	358,895	5,488
Bombay			14,449	3,531	169,378	2,463
Bengal	366	43	15,614	8,606	433,775	1,894
United Provinces	172	11	6,354	33,600	64,941	797
Punjab	240	29	12,263	28,135	94,050	2,701
Burma ..			7,606	14,590	36,203	622
Bihar and Orissa	5		1,882	5,186	62,830	627
Central Provinces and Berar		8	363	6,531	31,377	758
Assam			1,937	5,413	22,760	150
North-west Frontier Province			366	4,773	7,200	48
BRITISH INDIA *	1,337	283	81,249	122,780	1,298,713	15,876
						1,520,238

* Includes figures for Minor Administrations and Provinces (centrally administered areas)

(iv) Expenditure on Education, 1931-32

Province	TOTAL EXPENDITURE			PERCENTAGE OF EXPENDITURE				AVERAGE ANNUAL COST PER SCHOLAR					
	1931	1932	Increase (+) or Decrease (—)	Govern- ment Funds, %	Local Funds (a), %	Fees, %	Other Sources, %	Govern- ment Funds	Local Funds (a)	Fees	Other Sources	Total cost	
	Rs	Rs	Rs	%	%	%	%	Rs	Rs	Rs	Rs	Rs	p
Madras	6,14,07,938	5,67,61,851	—46,46,087	15.1	16.0	17.2	21.7	9 0 1	3 3 6	3 7 1	1 4 5	9,20 0 8	
Bombay	4,03,19,042	4,00,10,519	—2,78,193	17.5	19.5	20.3	12.7	15 0 0	6 0 0	6 0 0	1 0 0	0 11 0 0	
Bengal	4,30,31,533	4,22,87,036	—16,44,517	31.1	7.5	12.6	15.8	5 1 10	1 3 2	6 8 0	2 8 0	15 8 0	
United Provinces	3,80,28,358	3,80,21,112	—7,216	56.0	13.1	17.1	13.2	11 15 2	3 0 1	4 10 2	3 8	8,26 11 1	
Punjab	3,28,40,628	3,08,31,113	—20,09,185	53.5	13.0	23.1	10.1	13 11 0	3 5 7	6 0 2	2 9	1,25 10 10	
Burma	2,15,33,088	2,11,11,085	—4,22,003	11.6	23.6	19.2	12.6	17 15 3	9 7 0	7 11 5	5 0	10 10 3 4	
Bihar and Orissa	1,84,18,200	1,73,91,805	—10,56,395	32.0	29.3	23.3	15.4	5 5 0	1 14 5	1 14 7	2 9	2,16 11 11	
Central Provinces and Berar	1,12,80,050	1,03,79,760	—9,06,290	15.9	27.9	16.9	9.3	10 9 2	6 6 10	3 14 1	2 2	1,23 0 8	
Assam	52,61,996	50,10,234	—2,51,712	57.5	12.6	16.7	13.2	5 6 5	1 12 10	2 1 10	1 12	9,11 1 10	
North West Frontier Province	28,27,631	27,21,962	—1,05,769	68.5	10.8	9.6	11.1	24 0 1	3 12 7	3 6 0	3 11	2,15 0 10	
INDIA	28,31,61,440	27,18,56,622	—1,13,01,824	15.8	16.1	22.9	15.2	10 4 5	1 9 10	5 2 2	3 0	1,22 6 9	

* Includes figures for Minor Administrations and Provinces (centrally administered areas).
(a) Includes both District Board and Municipal funds

BOY SCOUTS.

The Boy Scouts movement, initiated in England by Lord Baden Powell (the Chief Scout), has spread widely in India, both among Europeans and Indians. The Viceroy is Chief Scout of India and the heads of Provinces are Chief Scouts in their own areas. The aim of the Association is to develop good citizenship among boys by forming their character—training them in habits of observation, obedience and self-reliance—inculcating loyalty and thoughtfulness for others—and teaching them services useful to the public and handicrafts useful to themselves.

It is confidently anticipated that in the Boy Scout Movement will be found a natural means of bridging the gulf between the different races existing in India. The movement is non-official, non-military, non-political and non-sectarian. Its attitude towards religion is to encourage every boy to follow the faith he professes. Every boy admitted as a Scout makes a three-fold promise to do his best (1) to be loyal to God, King and country, (2) to help others at all times, and (3) to obey the Scout law. The law referred to lays down—

1. That a Scout's honour is to be trusted ;
2. That he is loyal to God, King and country, his parents, teachers, employers, his comrades his country and those under him ,
3. That he is to be useful and to help others ,
4. That he is a friend to all and a brother to every other scout, no matter to what social class the other belongs ,
5. That he is courteous ,
6. That he is a friend to animals ,
7. That he obeys orders ,

8. That he smiles and whistles under all difficulties ,

9. That he is thrifty ,

10. That he is clean in thought, word, and deed

INDIAN HEADQUARTERS

Patron —H R H The Prince of Wales, K G

Chief Scout for India —His Excellency The Right Hon'ble The Earl of Willington, G M S I, G M I E, G C M G, G B E

Chief Commissioner —(Vacant)

Secretary to the Chief Scout —E. C. Mievile, Esq, C M G

Deputy Secretary to the Chief Scout —O C B St John, Esq

Assistant Secretary to the Chief Scout —Rai Sahib G. Dutta

Organising Secretary for India —G T J Thaddaeus, Esq

General Council for India—

Ex officio —The Chief Commissioner for India
The Provincial Commissioners
The Presidents of Provincial Councils

Elected —(Not completed)

Nominated —(Not completed)

Provincial Commissioner for Bombay Presidency—Sir Chunilal Mehta, M A, LL B, K O S I

Provincial Secretary for Bombay—B T Char, Esq, B A

Scout Strength

Provincial and State Associations	Scouts	Sea Scouts	Cubs	Rover Scouts	Rover Sea Scouts	Total Scouts, Cubs, Rovers
Assam	1,554		827	28		2,409
Baluchistan	323		241	83		647
Bangalore	421		299	25		745
Bengal	5,953		2,662	472		9,087
Bihar and Orissa	5,990		2,167	326		8,483
Bombay	21,929	173	7,861	912	45	30,920
Burma	4,092		834	267		5,193
Central India	231		189	22		442
Central Provinces	15,625		13,281	1,348		30,254

Provincial and State Association	Scouts	Sea Scouts	Cubs	Rover Scouts	Rover Sea Scouts	Total Scouts, Cubs, Rovers
Delhi	698		302	14		1,014
Hyderabad British Administered Areas	507		388	17		912
Madras	8,264		2,808	916		12,108
N W F P	2,750		928	210		3,888
Punjab	33,427		5,891	735	4	40,057
Rajputana	616		170	163		949
United Provinces	1,575		480	91		2,146
Western India States	1,150		119	132		1,401
Bighat State	30		37	18		85
Barwan State	106		10	3		119
Bharatpur State	341		275	25		641
Bhopal State	951					951
Bijawar State	24		32			56
Charkhari State	48		6			54
Chhatarpur State	298		6	16		320
Cochin State	877		278	108		1,324
Datla State	134		28			162
Dhenkanal	1,348		1,281	658		3,287
Jaipur State	913		226	190		1,329
Jammu and Kashmir	1,558	77	1,720	105		3,460
Jith State	193		21			217
Jhabua State	48					48
Kulchipur State	20		5			25
Kolhapur State	1,566		439	307		2,312
Kurwai State	40		30			70
Marwar State	1,190		782	67		2,039
Mysore State	5,803		4,047	1,190		11,040
Nagod State	59					59
Narsingharh	56		16			72
Nawangar State	363	18	18			399
Orchha State	124		251			375
Patiala State	533		136	30		699
Pudukkottai	259		300	12		571
Rajgarh State	80		15			95
Rampur State	24		30			54
Ratlam State	35		41	31		107
Sailana State	64		64	24		152
Sangli State	334		42	32		408
Tonk State	20			1		21
Travancore	1,375		436	151		1,962
Grand Total	1,23,949	268	51,013	8,819	4	1,84,098

The Co-operative Movement.

Prolegomena—The co operative movement in India has now been with us for more than a quarter of a century, having been introduced in 1904 when the Co operative Credit Societies Act was passed by the Government of India. During this period it has taken root in the soil and grown with wonderful rapidity, not only in the British Indian provinces but also in the Indian States. Though essentially meant for the betterment of the agriculturists, it has spread to urban areas likewise for the benefit of the small man in towns, be he the toiling factory operative or the ill-paid clerk or the small tradesman. It is being increasingly realised that co operation is not a branch of knowledge but a method which enables the small men to stand up against the powerful forces of competition and exploitation, to gather strength and improve his economic condition by the mighty forces of association and co-ordinated action in a co operative society, permeated with the co operative spirit of thrift, self reliance and mutual aid, so well summarised in the motto of the Co operative Union of Manchester—'Each for all and all for each'. This method has, therefore, been adopted not only for the betterment of the agriculturists and the economic regeneration of the rural masses but has also been applied for the cure of the many economic ills of the small man in towns. But though the movement has thus developed in very many directions, it is still predominantly an agricultural movement and that too chiefly for the organisation of agricultural co operative societies on a co operative basis. It is proper before we proceed broadly the main features of the economic position of the agriculturist in this country.

Rural Poverty—The outstanding feature of Indian rural economy that is bound to arrest the attention of any observer is the appalling poverty of the rural population. The various estimates, official and non official, that have been made of the income per head of population in India at various times leave the matter absolutely in no doubt. The Central Banking Enquiry Committee estimates that the average income of an agriculturist in British India does not work out at a higher figure than Rs 42 a year. The vast magnitude of this evil will be better realised when we take into account the predominance of the agricultural population in India. In 1891 61 per cent of the total population of the country lived on agriculture, this percentage rose to 66 in 1901 and to 73 per cent in 1921, in 1931, the percentage has fallen a little to 67. The poverty of the agriculturist may be due to a variety of causes, but we cannot ignore the fact that agriculture has in a large measure ceased to be an industry worked for profit the cultivator labours not for a net return but for subsistence. The extent of an average holding which works out at about 6 acres for an agricultural family of 5 persons is too inadequate to

maintain it in ordinary comfort even with the low standard of living which is so characteristic of the rural population of India. Moreover the Indian cultivator is in a large measure exposed to the vicissitudes of seasons and the vagaries of the monsoon. In every 5 years there is but one good year, one bad year and three indifferent years. These unfavourable conditions might be mitigated to some extent by a well conceived policy of irrigation by the State, but so far, of the total cultivated area in the country, about 16 per cent only has irrigation facilities from rivers, tanks or wells while the remaining 84 per cent depends merely on rainfall. Thus the frequency of failure of crops, owing to drought and floods and pests, coupled with the low vitality and high mortality of the live stock, render the economic position of the cultivator worse still. The inadequacy of the subsidiary occupations to supplement the slender income from agriculture contributes further to his extreme economic weakness. He has sufficient spare time on his hands to devote himself to subsidiary occupations but he has been exposed to the full blast of competition of forces from the rest of the world and many of the industries on which he relied in the past have suffered largely from or been wiped out by the competition of machine made articles. The recent fall in the world prices of agricultural produce has affected him powerfully for he is now being drawn steadily into the sphere of influence of markets both national and international and he has neither the organisation nor the credit facilities to help him as in countries like the United States of America and Canada and several European countries. In addition to these numerous difficulties, the Indian agriculturist has another serious handicap in this that he is largely illiterate. The percentage of literacy in India is still very low being only 8 per cent and any progress in agriculture is well nigh impossible without the background of general education. All these factors lead to the most outstanding feature of Indian rural economy—the chronic and almost hopeless indebtedness of the cultivator. The Central Banking Enquiry Committee has estimated that the total rural indebtedness in India is about Rs 900 crores. Though indebtedness of the agricultural population has been there from old times, it is acknowledged that the indebtedness has risen considerably during the last century and more especially during the last 50 years. This colossal burden of debt is the root problem which has got to be faced in any attempt towards the economic regeneration of the masses. Numerous causes have been advanced to account for rural indebtedness and we already have pointed out some of the general causes which give rise to it. A peculiarity, however, that we notice is that the debt which remains unpaid during the lifetime of the cultivator who contracted it passes on as a burden to his heirs so that many agriculturists start their career with a heavy burden of ancestral debt which they in their turn pass on with some further

increase to their successors. Ignorance and improvidence, extravagance and conservatism have further been held forth as the reasons for the continued growth of this heavy load. A marriage festival in the family tempts him to launch out into extravagance while funeral feasts prove no less costly. All these factors—the uneconomic nature of the agricultural industry, chronic and heavy indebtedness and illiteracy form a thoroughly depressive background of Indian rural economy.

Genesis of the Movement—It is no wonder under the circumstances detailed above to find that the Indian agriculturist has constant recourse to borrowing and that too not only for any land improvement that he may contemplate but for his current agricultural needs as also for periodical unproductive purposes such as weddings and funeral feasts. The absence of any banking organisation in the country side has driven him into the arms of the *sowcar* or the *mahajan* who, while proving a very accommodating person, has exercised a grip on him from which it has been found almost impossible to extricate him. The usurious rates of interest charged, coupled with various devices which increase still further the actual rate of interest, and the numerous services which the *sowcar* performs as a retail tradesman and the buyer of his produce, make him the dominant force in the village, reducing the agriculturist to the position of a serf, toiling for generation after generation, without ever hoping for a release from his clutches, getting a bare subsistence as a reward for all the trouble that he might take and therefore becoming listless, fatalistic and absolutely unprogressive. The gravity of the situation in certain parts of the Bombay Presidency was brought to the fore by the agrarian riots that took place in the Poona District in 1878, and protective legislation in the form of the Deccan Agriculturists' Relief Act was passed in the following year. In 1882, Sir William Wedderburn suggested the institution of an agricultural bank for relieving the indebtedness of the cultivators, but the scheme was dropped as being impracticable and financially unsound. In 1883 the Land Improvements Loans Act was passed and this was followed in the next year by the Agriculturists Loan Act enabling Government to advance loans repayable by easy instalments and at low rates of interest for improvements and also for current agricultural needs. In 1892 Sir Frederick Nicholson submitted a report to the Madras Government on the possibility of introducing land and agricultural banks and the discussion thus initiated by him was continued by Mr Duperrex of the U P, in his 'Peoples' Banks for Northern India'. The Government and Government officials continued to take greater interest in the matter and tried to find a suitable solution. The *ciste* system of the Hindus and the ideas of common brotherhood among the Moslems were evidences of the peoples' natural aptitude for co operation and the *midhus* of Southern India furnished a practical proof of this aptitude. These *midhus* were mutual loan funds whereby the members in turn got the use in lump of a considerable capital repayable by small easy instalments. The

system depended upon association, confidence and honest dealing. The Government of India in 1901 appointed a committee to consider the question of the establishment of agricultural banks in India and the report of this committee resulted in the passing of the Co operative Credit Societies' Act of 1901. The co operative movement was thus launched in India on the 23rd March, 1901. The Act aimed at encouraging thrift, self help and co operation amongst agriculturists, artisans and persons of limited means and the societies that were to be started were intended to be small simple credit societies for small and simple folks with simple needs and requiring small sums only. Knowledge of and confidence in their fellow members which are the keynote of success were ensured by providing that a society should consist of persons residing in the same town or village or group of villages and should be members of the same tribe, class or caste. In order to provide facilities in urban areas for the small man, urban societies were also permitted. It was laid down that four fifths of the members in the case of rural societies should be agriculturists and in the case of urban societies—non agriculturists. The Act introduced the principle of unlimited liability for rural societies following the *Rariffesen* system in Germany, though it permitted urban societies to choose the *Schulze Delitzsch* model. Profits in rural societies were to be carried to a reserve fund or applied to the reduction of the rate of interest but the bonus could be distributed to the members only after requirements in this direction had been fully met, while in the urban societies 25 per cent of the profits were to be carried to the reserve fund. The local Governments were empowered to appoint special officers called Registrars of Co operative Societies, whose duty it would be to register societies formed under the Act, to get the accounts of such societies audited by a member of their staff and in general to see that the societies worked well. The main business of the societies was to raise funds by deposits from members and loans from non-members, Government and other bodies and to distribute the money thus obtained as loans to their members. Soon after the passing of the Act, various Provincial Governments appointed Registrars, who with the assistance of local honorary workers began to organize co operative societies which started working with loans given freely for the purpose to them by Government. The seed thus sown has grown to day in the course of 30 years into a fine tree with twigs and branches, spread out in many directions. In spite of several weaknesses in the co operative movement in India to day, it is beyond dispute that the movement has been a powerful instrument towards the awakening of the country-side and has led to a steady improvement in various directions of the life of the Indian cultivator. Moreover, the use of the vote, the elective system, self help, self-reliance, compromises, gives and takes, work on an organized plan, rounding of angularities are great items in the training up of a citizen and the co operative societies have been great schools for political and civic education. Since the launching of the movement in 1904, there have been amendments of the co operative law

and committees and commissions of enquiry to remedy defects and to suggest further lines of action. These we shall note later on.

Growth of Co-operation—In the first few years of the movement the number of societies grew up very slowly but the growth was considerably accelerated from 1910 and the average number of societies from 1910 to 1915 was about 1,100. The pace of growth still further quickened and now there are about 94,000 agricultural societies and over 10,000 non agricultural ones. Table II shows the distribution of these societies by provinces. It will appear from the table that progress in different parts of India has not been uniform. Bengal, the Punjab and Madras have the largest number of societies—while the other major provinces like Bombay, Bihar and Orissa, the United Provinces and the Central Provinces, Burma and Assam show distinctly smaller figures. The Punjab with over 20,000 societies stands first in the number of societies (88) per one lakh inhabitants, while Bengal which has a larger number of societies than the Punjab stands second in that respect with 47. The progress in smaller areas, like Coorg and Ajmer Merwara, must be regarded as very satisfactory in view of their small population, since the number of societies per one lakh inhabitants works out in their case at 127 and 111 respectively. It is satisfactory to note that the co operative movement has spread not only among the British Indian Provinces but also in Indian States and compared to the total population, Bhopal and Gwalior lead in this matter though the premier States of Kashmir, Mysore, Baroda and Hyderabad have also made considerable progress. Even more instructive are the figures in Table IV. The total number of members of primary societies stands on the 30th of June 1932 at 43 lakhs. Taking the normal family at a little under 5, it is clear, therefore, that more than two crores of the people of India are being served by this movement. There is no single movement in the country fraught with such tremendous possibilities for the uplift of masses as the co operative movement and there is no single movement with such a large percentage of the population affected by it. Though the Punjab leads in the number of members of societies (28.8) per one thousand inhabitants, with 25.9, while Madras thereafter. This shows that varies in different provinces and that Bombay, while having a smaller number of societies, has a larger average of membership per society as compared with the other provinces of British India. Of the smaller areas, Coorg takes a leading place with 72.8 members per one thousand inhabitants, while Travancore has an average of 43.6. Membership is a much better test in many respects of progress than the number of societies and from this point of view, the progress in Bombay, the Punjab, Coorg, Travancore and Bhopal must be regarded as distinctly satisfactory. There is, however, a third aspect also of the growth of the movement. Merely the number of societies, or the membership in the societies is not an index of the work that is being done and of the benefits which are being conferred by the movement on the population affected. The societies are predominantly

credit organisations or rather small banking institutions and the part that they play can be better appreciated from their working capital than from merely the numbers of members. In this direction also we must note the marvellous progress so far achieved by the movement. From about Rs. 68 lakhs, which was the average up to 1910, the working capital has advanced very rapidly and stands to day at about Rs. 93 crores. It is pleasing to note from Table V that this large sum has been derived mostly from non-Government sources. The share capital, the reserve fund and the deposits from members together contribute about Rs. 31 crores and this is really owned capital or the members' own money. The provincial or central banks contribute almost in equal sum and so do the non members or the outside public. This latter item shows to a remarkable extent the growth of public confidence in co-operative institutions and speaks well in general of the management of the societies and the very useful purpose they serve in the banking organisation of the country. The distribution of the working capital by provinces and States (Table VI) gives us a further insight into the progress made in this direction by the co operative movement in different parts of India. The Punjab leads in this respect also with 125 annas per head of population while Bombay comes next with 105. Madras and Bengal fall behind with 58 and 52 respectively. Among the smaller areas, Ajmer-Merwara comes out first with 127 annas per head of population while Coorg follows with 91. Of the Indian States, Indore takes the first place with 71 and Bhopal follows closely with 57. Bombay stands an easy first in the matter of deposits from members which amount to about three crores out of a total working capital of about 14 crores and this is one of the best tests of the success of a co-operative society. It is obvious from a glance at the figures in the tables that there has been very rapid progress in the number of societies, in their membership and in the working capital of these societies. The Punjab, generally speaking, leads in many respects with Bombay coming close behind. The smaller areas and the Indian States have also achieved considerable progress though the movement there started comparatively later. The agricultural societies in the provinces and States that is, urban societies show a much slower development. While there is much room for satisfaction at the phenomenal growth of the movement in rural and urban areas, it must be admitted, however, that merely the figures of the number, membership and working capital are not enough to base conclusions upon. But before we proceed further, we must now explain the chief component parts of the structure, as it has now been built up, of the co operative movement in the country.

Financial Structure of the Movement—Apart from the comparatively few co operative societies at present working in India for non-credit purposes, it must be recognised that whether in urban or rural areas, a co operative society largely means a small bank or a credit institution for providing financial accommodation to its members on a co operative basis. Of these credit institutions, by far the greater

proportion is rural. The rural credit society has, for its main purpose, the financing of the agriculturist and as such it needs funds. The original idea of co-operative credit lies in making available to the needy the surplus of the well to do brethren through the medium of the society, but in Indian villages, the well to do and the needy rather form distinct groups, the former playing or trying to play the sower. Thus instead of comprising more or less all sections of the population of the village the society is rather made up of the needy section only, at any rate, very largely. Even otherwise, the slender savings of the well to do would not be enough to meet the wants of the needy and each village society is not, therefore, able to be self-sufficient, making available the deposits of its well to do members as loans for the needy ones. The heavy load of unproductive debt of the average Indian farmer, his habit of investing his savings, if any, in lands and ornaments, and his illiteracy and consequent lack of the banking habit, soon made it apparent that the rural credit societies could not be expected to raise the required funds in deposits either from members or locally. The question of funds for the working of a rural co-operative society has become a vital question indeed. Central Banks have therefore been brought into existence at the district head quarters in order to raise money from towns and make them available to the primary rural societies. Following up the idea further, it has been found necessary to have a provincial bank at the provincial head quarters to serve as a balancing centre for the central banks and to make available larger funds for the primary societies through the central banking institutions. The financial structure of the co-operative movement is thus largely composed of three parts:—(1) the Agricultural Credit Society, (2) the Central financing agencies, and (3) the provincial banks. Obviously one more part in the structure seems possible and desirable, namely, an Apex All India Co-operative Bank. So far, however, such an All-India Bank has not been started and the provincial banks have been content with an All-India Provincial Co-operative Bank's Association.

Agricultural Credit Societies—The success of these societies is closely related to their very peculiar constitution. In an ordinary joint stock company, a member is liable only to the extent of the value of his share holding and his liability is therefore limited, but in the case of agricultural credit societies, the liability is unlimited, that is to say, members are jointly and severally liable to the creditors of the society for the full amount of the debts incurred by it. Such a liability would never be acceptable to any person, unless he was imbued with the broader vision of brotherhood between members and unless he himself had an active voice in the management of the society and had a more or less full knowledge of the character and antecedents of his fellow members. Co-operative credit is the capitalisation of character and unlimited liability is the great instrument to secure the admission into a society of members of these persons only, who by their character and antecedents deserve to be taken into that brotherhood which imposes such an obligation as unlimited liability on all, so that they either

swim or sink together. To secure success, therefore, the proper selection of members is of the utmost importance and it has been unfortunate that in India this has not been in practice as well kept in view as it should have been in the eager desire to promote the formation of more and yet more societies.

Credit is a blessing only if turned to productive account, if used up for unproductive purposes, it is a curse. It would enrich the producer but it would only impoverish the consumer. It is capable of fruitful employment by the intelligent but it leads the illiterate and the ignorant towards perdition. The Indian agriculturist needs money for productive purposes, such as his current agricultural needs and improvement, purchase of stock and implements, manures and seeds as also for unproductive purposes, such as repayment of old debts, weddings and funerals. He thus requires credit not only as a producer but also as a consumer—a producer who hardly makes profits from his industry and a consumer who has no past savings to enable him to tide over a bad period, but who is a perpetual borrower ready to live for to day and letting the to-morrow take care of itself. He is besides ignorant and illiterate and though sufficiently conversant with the routine of his industry, hardly awake to the need or scope for improvements in his methods. Under such circumstances, it is imperative for the management of the rural co-operative society very carefully to scrutinise the loan applications and examine the purpose for which loans have been asked and to see carefully that the loan when sanctioned is used for the specific purpose. And yet it is in this respect that there is considerable scope for improvement.

The funds of an agricultural credit society are raised from entrance fees, share capital deposits or loans from non-members, loans from the central or provincial banks, loans from Government and the reserve fund. Entrance fees are collected chiefly to meet preliminary expenses of organisation and purchase of account books and forms. The levy is generally very small. In some localities members contribute a small share capital and in some they do not. In the Punjab, the United Provinces and to a very great extent in Madras and Burma societies based on the share capital system are the rule, while in other provinces the share and the non share societies flourish side by side. The share capital of these co-operative societies is not regarded as a dividend earning investment but is primarily looked upon as a contribution to the common capital. The income from entrance fees and share capital is however small compared with the financial requirements of the members. The large sources from which funds are derived are deposits and loans. The volume of deposits which a society is able to secure on terms offered by it is an index of the measure of the public confidence it has inspired and the soundness and the stability of its financial position. The ideal placed before these societies is the development of members' deposits to the extent of making the society financially self-sufficient. These deposits by members further serve the purpose of stimulating thrift and saving habit among them, and are, therefore,

eminently desirable Attempts are everywhere made to encourage them, but the response has been small except in the province of Bombay, where it forms about $\frac{1}{3}$ of the total working capital Regarding the encouragement of deposits from non-members however in the agricultural credit societies, the Indian Central Banking Enquiry Committee sounded a note of caution Loans from central banks therefore furnish the bulk of the working capital of these agricultural credit societies at present

Low dividends and voluntary services resulting in low cost of management has made it possible to divert a substantial proportion of the profits of these societies to reserve funds, and thereby provide against unforeseen losses, bad debts and losses on the realisation of certain assets such as by investment depreciation The general practice in regard to the use of the reserve fund in the business of the societies is that it is used as ordinary working capital

The funds collected by the agricultural credit societies in India at present are by no means negligible They aggregate to more than thirty-five crores of rupees Their financial position as on the 30th of June 1932 stood thus —

	In thousands of rupees
Share capital	4,38,98
Reserve Fund	7,20,08
Deposits	3,22,81
Loans	20,03,35
Total Working Capital	35,09,25

The figures show that these tiny agricultural societies in India work with about Rs. 15 crores of their own capital (including members deposits in this head) as against their outside borrowed capital of about Rs. 20 crores The owned capital was thus about 46 per cent of their total working capital, and this proportion is rising steadily as years pass by

So far as the period for which loans are advanced is concerned, they are classified as short, intermediate and long Short term and intermediate credits are intended to meet current outgoings and to facilitate production The current outgoings and expenses of production include the buying of cattle and agricultural implements, purchase of manure and seeds, expenses of transplantation in the case of wet cultivation and weeding and hoeing of dry crops and of reaping, gathering and threshing maintenance of the farmer, his family and livestock and payment of revenue and rent and outlay on various items of improvements effected in the ordinary course of husbandry such as levelling, deep ploughing irrigation, clearance, drainage, fencing, and installation of pumping plant Long term credit is meant for obtaining fixed capital to be invested permanently or for long periods, for the purchase of land, acquisition of costly equipments, consolidation and improvement of holdings and repayment of past debts

The Provincial Banking Enquiry Committees are practically unanimous in stating that agricultural credit societies cannot safely advance loans to their members for more than three years (that is to say, short and intermediate loans) and that the proper agency to advance long term loans is the Co-operative Land Mort-

gage Bank These considerations are not now properly appreciated, but the necessity for their application is being more and more recognised

Central Financing Agencies —The formation of banks in urban areas on co-operative principles with the sole object of raising funds for advances to societies having been found necessary to place the financial structure of the movement on a sound basis, the Co-operative Act of 1904 was amended in 1912 and the Co-operative Societies Act II of that year provided for the registration of central banks with the sole object of financing societies Soon thereafter the number of central financing agencies grew rapidly all over the country, especially in the United Provinces The function of these central societies was not only to supply the required capital to the primary societies but also to make the surplus resources of some societies available for other societies suffering from a deficiency of funds and to provide proper guidance and inspection over them On the 30th June 1932 the number of central banks was 595

Central banks can be classified into three types as follows —(1) banks of which the membership is confined to individuals (2) banks of which the membership is confined to societies, (3) banks which include both individuals and societies among their members The first class includes any bank in which the shareholders consist entirely of individuals or in which societies are admitted as shareholders on exactly the same footing as individuals without any special provision for securing their representation on the board of management or for reserving a definite portion of the share capital for them and where there is no restriction on the distribution of profits to shareholders, such banks have now practically disappeared The second class consists of a purely co-operative type of bank where membership is confined only to societies and the general policy and management are wholly controlled by them This type in theory is the most suitable agency to finance co-operative societies, and represents the ideal to which the financial structure of co-operation must aspire The management of such a **Banking Union** is usually rural and local and its operations are generally confined to a small area, enabling the affiliated societies to take a direct part in its administration and control, and enabling the union in its turn to be in constant touch with its societies The successful working of a banking union requires competent men with local influence and knowledge as members of primary societies and a compact and co-operatively well developed area Such unions therefore are not attempted in most places in the country In a mixed type of co-operative bank, the member societies are assigned a certain proportion of the shares and given suitable representation on the board, and the services of individual sympathisers are also secured for the movement by admitting them as shareholders, and this is the type of central bank which predominates in the country as a whole Roughly speaking, if a straight line is drawn across the map of the country from Calcutta to Karachi, unions of the pure federal type are numerous to the north of this line while central banks of the mixed type predominate in the South

There are four main sources from which a central bank derives its working capital which stood in 1931-32 at Rs 30.6 crores. (a) Share capital, (b) Reserve, (c) Deposits, (d) Loans

The total paid up share capital of central banks in British India and Indian States in 1931-32 was a little under Rs 3 crores. No individual shareholder is generally permitted to hold shares of more than Rs 1,000 while an affiliated society is required to subscribe to the shares of a central bank in proportion to its borrowings. In Bombay, Burma, Delhi, Coorg, Gwalior and Indore, the shares of central banks are fully paid up while in other provinces and Indian States the shares are not fully paid up but carry a reserve liability. The liability attaching to shares is ordinarily limited to their face value but in a few provinces the liability fixed is generally four to ten times the face value of each share. In addition to the statutory reserve, almost all central banks have special reserves created for special purposes or objects, such as bad debts, building, and dividend equalisation. The total amount of reserve funds and other reserves of central banks in British India and the Indian States in 1931-32 was a little over Rs 2½ crores.

The paid up share capital and reserves of central banks constitute the owned resources of these banks as distinguished from borrowed resources and provide the guarantee fund against which additional funds are raised by them in the shape of deposits or loans. It is usual to prescribe a suitable proportion between the owned and borrowed resources of central banks in each province. The most usual proportion observed in practice between the borrowed and owned resources in all parts of the country is 1 to 8. Deposits from members and non-members constitute the bulk of the borrowed capital of central banks. The total amount of deposits held by central banks in the year 1931-32 from individuals and other sources amounted to Rs 18.5 crores, and from primary societies to Rs 2.7 crores. Deposits in central banks are mainly of two kinds, viz, savings and fixed. Current deposits are not universal but confined only to selected central banks in selected areas. The principle usually observed by these banks is not to grant loans to societies for periods longer than those for which deposits are available, and where loans for long periods are advanced, the periods of deposits are also comparatively long. The receipts and payments of deposits are generally spread over the year except in Bihar and Orissa where, due to the one date-deposit system, deposits whenever received are repayable on the 31st May every year. In addition to funds obtained by deposits, central banks raise loans either from outside banks, from other central banks, from the local provincial bank or from Government. The total amount of loans held by the central banks in 1931-32 from outside banks, from other co-operative banks and from the provincial banks was Rs 3.7 crores and from Government Rs 52 lakhs. Excepting in Burma central banks in other provinces of British India do not directly borrow loans from Government, the central banks of Indian States, excepting Mysore, do to a greater or less extent hold loans from Government, while in Gwalior, loans from Government constitute the most important

item of the total working capital. Borrowings from outside banks are generally confined to accommodation obtained from the Imperial Bank of India against Government Securities or Promissory Notes executed by societies in favour of the central bank and endorsed by the latter in favour of the Imperial Bank. This accommodation is, however, limited and advances from other joint stock banks are also now rare. The main source of loans is, therefore, the provincial bank, and where a provincial bank exists, the central banks are generally prohibited from having any direct dealings with either the Imperial Bank or any other joint stock bank or with one another. This rule is however not rigidly observed in the Punjab and Madras. Several central banks in the country, due to their long standing, now possess sufficient resources to be independent of any outside financial assistance but they all continue credit arrangements mainly with the provincial bank on which they rely for emergencies.

In the initial stages, several central banks developed from ordinary urban societies which granted advances to individual shareholders. A few of such central banks have continued the practice and the amount advanced by central banks to individual members during the year 1931-32 was Rs 95 lakhs chiefly in the Punjab, Bombay and Madras. This practice, however, is gradually being abandoned as the chief function of a central bank is to finance societies and to serve as their balancing centre. The total advances made by central banks to societies at the end of the year 1931-32 amounted to about Rs 8 crores.

The ultimate security for all advances of a central bank to an agricultural society is the property of its members, but the basic security is personal and depends on mutual knowledge and joint responsibility of the members. The difficulty in accurately gauging the degree to which a society as a whole has developed the sense of mutual obligation among its members in assessing its credit, has forced a central bank to place more reliance on the tangible assets of its members. A statement of each society prepared by, or under the direct supervision of the field staff of each central bank or Government, showing the estimated value of the immoveable and moveable property owned by each member, and showing the total value of the assets of the society, is taken as the basis and the extent to which a society is permitted to borrow which is usually limited to one third of this. In some provinces, a system of normal credits is introduced which replaces both cash credits and fixed loans. Before the normal maximum credit of a society is assessed, a statement of the normal credits of its members is prepared, containing information regarding the assets of the members and also their requirements, the purpose of their requirements and the estimate of their earning and saving capacity. After checking, on the basis of this statement, a central bank sanctions a maximum credit to each society for the year, withdrawable at short notice. These credit statements, like the assets statements of societies, are revised every year and the period of loans granted under these statements does not generally exceed three years.

In some of the provinces, central banks grant both long and short term loans to societies, while in others loans to societies are generally for short periods. The average period of loans to societies varies from one to five years in different parts of the country. The period of a loan generally depends on the purpose for which the loan is required. Loans granted for current agricultural purposes are repayable either in one or two years, whereas loans required for improvements in lands and debt redemption are repayable in five to ten years. But it is not now considered advisable for central banks, relying mainly on deposits for their resources, to make long term advances, and some of the provinces have definitely adopted the policy of advancing short term loans to societies and that too for current agricultural purposes only.

tives of the primary societies do not find a place while in Hyderabad and Mysore those of central banks are not included. In Bombay out of 14 directors, 7 represent individuals including by convention the head of the Provincial Co-operative Institute. In Madras the number of directors representing individuals is 5 as against 31 representatives of co-operative institutions, in Bihar and Orissa 6 including the Registrar as against 14, in Hyderabad, Mysore, 5 as against 8. It is clear that on the directorate of the apex banks co-operative institutions are well represented indeed.

After meeting management expenses the profits of central banks are distributed as allocations to reserves and dividends to shareholders. The combined net profits of the 595 central banks of the country during the year 1931-32 amounted to Rs 52 lakhs on the total working capital of Rs 31 crores, the rate of dividend paid varied from 6 to 10 per cent in different parts of the country but the most usual rate paid was 6 per cent per annum.

The aim and purpose of the apex banks is already stated, is to co-ordinate the working of the banks on a provincial basis and to act as the balancing centre of the various central banks in the province. In order that the co-operative movement may function efficiently and profitably, it has been found necessary that the connection that has to be established between it and the money market should be brought about through the apex institution, and the central banks have accordingly been brought outside agencies only through the apex bank. Though this principle is accepted, there is a great deal of divergence in practice. In Madras, Bengal and the Punjab, central banks have been permitted to deal directly with the Imperial Bank of India, while in Bombay central banks have dealings only with the provincial banks in order that there may not be intermingling of the liabilities of the central banks. It has also been thought necessary to restrict the dealings of apex banks with the primary societies and permit them only in those central banks in certain provinces, the apex banks do not deal with the primary societies at all, while in certain others they still continue to finance primary societies in areas where central banks have not come into existence. This seems to be the case in Bihar and Orissa, Bombay, Burma and Mysore. The provincial bank in Bombay has thirty branches covering the few districts that have no local banks or parts of districts not taken over by local banks for some reason or other. The bank has an inspecting staff of its own, in addition to the office staff at branches. With the work of branches, however, are associated local advisory committees, composed of elected representatives of the affiliated societies, and certain powers, including the authority to sanction loans, are delegated to the committees.

Provincial Co-operative Banks—In India, at present, all the major provinces except the United Provinces have apex banks functioning in them. There are apex institutions in two of the Indian States, Mysore and Hyderabad, though in the others also there are institutions corresponding to the apex bank or functioning as such. The Bank in Burma being in liquidation, there are nine such institutions in all out of which, seven are in British India and two in the Indian States. The constitutions of these institutions vary considerably, but the functions of all these institutions are more or less the same, namely, the co-ordination of the work of the central banks and provincialization of finance in them. It is found that in a large majority of the apex banks, the constitution is a mixed one, that is, both in the general body of the banks as well as in the directorate, there are individual shareholders as well as representatives of co-operative societies and central banks. The apex banks in the Punjab and Bengal however do not permit individuals to hold shares in them, and have as their shareholders co-operative societies only, both primary and central. By a special provision, however, on the directorate, the Punjab bank takes the Registrar of Co-operative Societies, and Bengal takes three individuals as men of position in the province, as against 15 representatives of co-operative institutions. In the Central Provinces and Berar, the general body of the bank consists of representatives of central banks as well as individual shareholders and the directorate is composed of 34 representatives of co-operative institutions and 5 individuals including the Governor of the C P and Berar Co-operative Federation as an ex officio director. In Bombay, Madras, Bihar and Orissa, Hyderabad and Mysore, individuals representing central banks and of the co-operative societies compose the general body but the composition of the directorate varies. In Madras the representation of the apex banks both in British India and in the Indian States depend for their working capital largely on deposits from the affiliated co-operative societies as also from the public. It is, therefore, thought necessary to insist upon the maintenance of fluid resources on a certain scale and in some provinces the Government of the province has prescribed definite rules with regard to the maintenance of fluid resources. The period for which deposits are accepted determine the maximum period for which they can lend out these borrowed funds to their clients, and in every province the apex bank has fixed for itself a maximum term, beyond which no loans are, in general,

functioned to the borrowing client. The following figures will clearly show the position and transactions of the apex banks in 1931-32—

Provincial Banks, 1931-32

	In thousands of rupees
Working Capital—	
Share Capital	66,99
Reserve and other funds	47,94
Deposits and loans—	
from individuals	4,81,97
from Provincial and Central banks	3,24,30
from societies	49,22
from Government	18,60
Total	9,89,02
Loans made during the year to—	
Individuals	3,28,11
Banks and societies	2,62,94
Total	5,91,05
Loans due by—	
Individuals	6,02
Banks and societies	4,80,19
Total	4,86,21

While accepting deposits from co operative banks and the general public, most of the apex banks have also dealings in current account with the latter. The Punjab bank does not encourage such accounts with individual non members, as it does not wish to enter into competition with central banks. Apex banks also generally carry on ordinary banking business, such as collecting hundis and dividends from companies and collecting the pay and pensions of public servants. The provincial banks of Bombay, Madras and the Punjab have floated long term debentures. The Bombay bank has so far issued debentures of the value of Rs 9 8 lakhs and these debentures are recognised as trustee security. The bank at Madras has floated debentures of the value of 2 18 lakhs on the security of a floating charge of the general assets of the bank, while the Punjab bank has issued debentures of the value of 5 lakhs. As in every banking institution, these banks also are frequently troubled with surpluses and deficits, though at different times in the different institutions. There is therefore interlending of surplus funds between these apex banks, and during the period of shortage of funds, deposits are accepted from surplus banks, and some of them call for special season deposits allowing favourable rates of interest to tide over the period of shortage. The All-India Provincial Co operative Banks Association enables the member banks to ascertain which of them are surplus in the period and by correspondence to arrange for inter-provincial borrowings.

In all provinces the apex banks have connected themselves with the Imperial Bank of India and have secured cash credit accommodation on furnishing security. In the earlier stage the Imperial Bank was pleased to permit the accommodation on the deposit of co operative paper duly endorsed in their favour, but of late a change has come over in some provinces in the

method of business, and the accommodation given to the various apex banks on the strength of co operative paper has either been withdrawn fully or is to be withdrawn by stages. As regards the Punjab, the arrangement whereby the apex bank can borrow against co operative paper is still in force, and has not been altered in any way. The security upon which the accommodation allowed is the Government of India Promissory Note. Owing to the curtailment of accommodation on the strength of co operative paper, the ease with which the provincial banks were raising credit to meet the seasonal demands of the affiliated central banks is no longer there. What repercussions this will make on the movement has yet to be seen as the curtailment has taken effect only recently. The apex banks, like all co operative societies, enjoy the facilities of free transfer of funds from one place to another by means of remittance transfer receipts. This concession is granted for transfer for genuine co operative purposes, but it has recently been ruled by the Government of India that if any remittance represents a transaction on which exchange has been earned, the facility of free transfer of funds will not be made available. Co operative banks, however, claim the continuance of the concession on the ground that they are rendering a public service by cheapening the cost of transfer of funds from the metropolises to a petty trade centre or *vice versa*, places where no other organised banking agencies are available. It is only if some concessional treatment is shown by Government—there being no other arrangement for transfer of funds—that they will be able to extend their operations in centres of agricultural trade, develop banking facilities in rural areas, and spread the knowledge and use of cheques and other instruments of credit among the rural population.

Audit and Supervision—The proper working of co operative societies requires an efficient system of audit and supervision. The audit is a statutory function of the Registrar and his responsibility to the public is thus a serious one. The general purposes of an audit such as ascertaining whether the accounts of the society are properly kept and preparation of a correct statement of the society's financial position, are common to the audit of joint stock and co operative concerns. But the Co operative Act requires the auditor of a co operative society to examine the overdue debts, if any, and to value the assets and liabilities of the society, and by implication, this statutory direction imposes on the auditor the obligation to find out whether the affairs of the society are conducted in accordance with co operative principles, and the audit extends somewhat beyond the bare requirements of the Act and embraces an enquiry into all the circumstances which determine the general position of a society. It is, for instance, the duty of the auditor to notice any instances in which the Act, or bye laws have been infringed to verify the cash balance and certify the correctness of the accounts, to ascertain that loans are made fairly, for proper periods and objects, and on adequate security, to examine repayments in order to check book adjustments or improper extensions, and generally to see that the society is working on sound lines and that

the Committee, the office bearers and the ordinary members understand their duties and responsibilities

The general position regarding audit, however, is unsatisfactory on the whole. The Indian Central Banking Enquiry Committee remarks that audit in most places is defective and does not conform to the statutory requirements as explained and amplified by the MacLagan Committee.

Though, in every province, the audit agency ultimately derives its power from the Registrar, it is being done in different provinces by different agencies. In the Punjab, audit is carried on by a staff of inspectors of the Provincial Co-operative Union, each inspector being given a number of societies. In Bihar and Orissa, the Co-operative Federation's staff does the audit and the Registrar controls the staff and arranges for the test audit of a percentage of societies by his officers. In other provinces, the agricultural credit societies are audited by the Registrar's staff, which in many of them is said to be inadequate. In some localities the societies have formed audit unions for their audit. In most provinces some contribution towards the cost of the audit is levied from the societies audited by the departmental or the provincial federations staff, as in the Punjab and Bihar and Orissa. Recently an audit fee has been levied in Bombay so that it is only in Madras that the audit of agricultural societies is practically free.

Audit, supervision and inspection are closely allied and not wholly separable in a simple organisation like the primary agricultural credit society. Broadly speaking, audit lays the emphasis on accounts, supervision on administration, and inspection on finance, though they overlap in some respects. In India, internal supervision of co-operative societies is organised differently in different provinces. In Madras and Bombay, the primary credit societies have been federated into small local SUPERVISING UNIONS on the governing bodies of which the societies are represented. Attempts have also been made to federate these local unions into district councils or boards of supervision. There are two types of local unions—the guaranteeing union and the supervising union. Experience has shown that the system of guaranteeing unions did not yield any useful results and it has therefore been abandoned in all the provinces, except in Burma and Bihar and Orissa, though even there their abandonment is only a question of time. Unions for supervision were first started on a large scale in Madras and now form an integral part of the co-operative structure there. The unions have a membership of 20 to 30 societies each and their main duties relate to supervision, promotion of the interest of members in the preparation of credit statements, stimulation of land recoveries, promotion of co-operative education, and organisation of non credit activities. The brunt of the work falls on full time paid supervisors are working under the direction of the managing committees. The supervisors are recruited from persons specially trained for the work. Bombay has in the last few years abandoned the system of guaranteeing unions and has adopted the Madras system of the supervising unions. On the 30th June 1932, there were in all 1,090 unions of which 355 were in Burma. Most of the 113 in Bihar and Orissa are guaranteeing unions. The number of unions in Madras was 431 and in Bombay 118. The total number of societies affiliated to the unions in these last two provinces was 11,009 and 3,014 respectively. The system of supervising unions, however, does not seem to be working well in Madras or in Bombay though no final opinion can yet be pronounced on their usefulness as agencies for supervision. In Madras district federations are disappearing and supervision is being taken up more and more by financing banks. The Bombay Reorganisation Committee has recently pronounced a hostile verdict on the replacement of supervising unions by departmental auditors who, it is contemplated, would be able to attend to supervision as well when each one of them is placed in charge of a smaller number of societies. This suggestion is, however, not likely to be accepted by the Government of Bombay who are considering the strengthening of the system of supervising Unions by insisting on better qualifications for the supervisors and by creating proper and efficient working of the Unions. The central banks have a body of inspectors and field workers who visit periodically the societies affiliated to them and these officers too in a sense assist in the supervision of societies. Thus, at present, there are 3 distinct agencies, the departmental auditor, the bank inspector and the Co-operative Societies' Conference held at Hyderabad (Deccan) in 1931 considered this question fully and formulated a scheme in thus connection which has been substantially approved by the Indian Central Banking Enquiry Committee. The scheme suggested that district audit unions should be established, composed of representatives of societies—primary and central—and that these unions should be affiliated to or federated in the provincial institutes, responsible for providing a satisfactory agency for audit and supervision. Inspection of societies was a responsibility and duty of the central auditing agencies and should remain so. The audit staff to be appointed by the provincial and district unions should be recruited from those who are licensed by the Registrar. The number of societies entrusted to such an auditor should not be more than 60 so as to permit efficient audit and supervision. The different provinces will, however, continue, it appears, by the All-India Conference for a uniform system of audit for all provinces should really work well. For the audit of larger societies, like the central financing agencies and urban banks, the Registrar engages a staff of special auditors. A great deal of complaint has, however, recently been made in this connection on the ground that these societies in addition to the departmental audit have to provide for their own audit independently. These private auditors are persons with recognised qualifications and charge less for the work done by them. Under these circumstances, departmental audit means unnecessary duplication of work and unnecessary waste of money. There is no reason why the departmental audit

should not be abolished and the banks are allowed to appoint their own auditors from amongst persons qualified and approved by the Registrar.

Overdues—Among the most important tests of the success or otherwise of a co-operative credit society is undoubtedly the promptness in repayment of loans by members and it is in this respect that one has to record that in India, the societies have not attained a great measure of success. On the 30th June 1932, the overdue loans in agricultural societies amounted to Rs 11,63,33,585 as compared with Rs 9,90,06,470 the year before, the

working capital of the agricultural societies was Rs 5,02,21,184 the loans due to individuals were Rs 23,08,42,609. The overdue loans were therefore 33 per cent of the working capital and 49 per cent of the total loans due by individuals. The percentage, however, rendered more serious when one realises that the figures are considerably obscured by book entries and extensions of the date of repayment and in some cases, by the farmers borrowing from the society to pay the arrears and that the percentages represent an average for all India. The following table shows the position by different provinces on 30th June 1932.

Overdue Loans in Agricultural Societies, 1931-32

(In lakhs of rupees)

Province	Working Capital	Loans due by individuals	Overdue loans by individuals	Percentage of overdue loans to	
				Working capital	Loans due
Madras	5,91	5.00	2.77	47	35
Bombay	4,11	1.80	1.74	39	45
Bengal	5,79	4.1	2.06	51	65
Bihar and Orissa	2,36	1.01	82	35	44
United Provinces	1,02	18	55	54	115
Punjab	8,30	7.14	47	6	7
Burma	1,12	1.14	14	10	15
Central Provinces and Berar	1,01	1.16	92	56	65
Assam	32	25	18	56	75
Mysore	51	50	19	36	35
Baroda	36	33	11	31	33
Hyderabad	87	65			
Gwalior	23	17	40	1,74	85
Kashmir	58	15	7	12	16
Travancore	35	30	16	46	25
Others	86	75	15	17	20
Total	35,00	25.98	11,63	33	49

The position has since June 1932 grown more serious, since the fall of prices of agricultural produce and the world crisis and trade depression have reduced the repaying capacity of the agricultural borrower considerably and increased the terrible load of overdue loans in rural credit societies. This continued growth of overdue loans is an ominous portent and reflects very badly on the soundness of the co-operative structure. The loans having been based on the basis of the assets of members, the ultimate solvency of the societies is beyond dispute, but severe pressure on members and the consequent wholesale liquidation of societies would react very seriously both politically and economically. The causes that have led to this of the co-operative movement are chiefly to be found in not basing the loans sanctioned on the repaying capacity of the borrowing member, in sanctioning loans for unproductive though perhaps necessary social or domestic purposes or for the redemption of old debts and generally in the uneconomic nature of the agricultural industry. The loose scrutiny of the purposes

stated in the loan applications and the absence of a careful watch on the way the loan is given by the members, which must be the case, with almost every member is a borrower or a surety to other borrowers and where the society is composed almost wholly of the needy sections of the village, the well to do standing aloof, the remissness in exerting pressure and in taking action against the defaulter, even when he is wilfully defaulting, add considerably to the growth of this menace of excessive overdues. The central financing agencies are more concerned with the assets that in the last resort are the security for their lendings and, with more funds than they could use, are more exacting than the Registrar himself for organised new credit societies.

One of the weaknesses of co-operative finance consists in its inelasticity, dilatoriness and inadequacy. The introduction of the normal credit system in the societies, a practice which is gaining currency in Bombay and Madras, reduces the evil to some extent, but as it is, the cultivator is forced to resort to the money lender also for accommodation. The co-operative

societies have thus. It must be admitted, lost their co-operative character in a great measure and have become business bodies without however the efficiency that should characterise them. The recent Committee on Co-operation in Bihar and Orissa views 'with a considerable degree of dismay the general failure to make the ordinary agricultural credit societies a self-governing and truly co-operative institution. The Bombay Reorganisation Committee state that 'in view of the figures quoted it is evident that the movement has ceased to a great extent to be co-operative. Whether such a verdict is quite justifiable or not, it is obvious that the situation is disquieting enough and very great caution in registering new credit societies and the correlating of loans to the repaying capacity of the borrowers as emphasised by the Bihar and Orissa Committee seem to be the urgent needs of the day.

Land Mortgage Banks—The loans advanced by co-operative societies to their members and by the central financing agency to their constituent societies are, from the very nature of the source from which they derive the bulk of their finances, for short or intermediate terms only. By concentrating upon the growth and multiplication of rural credit societies and thus upon facilities for short and intermediate term loans, the co-operative movement did not provide for the redemption of old debts or for increasing the earnings of agriculturists which alone would prevent any further increase in their debts and have the way for the paying off of the old ones. It does not seem to have been adequately realised that the removal or the lightening of the heavy load of indebtedness does not depend so much upon the easy terms on which co-operative finance can be made available, as upon the ascertainment of the amount of individual indebtedness to the sower upon so fully financing the agriculturists that they could be prevented from resorting to the sower any more, and above all on making agriculture an industry sufficiently paying to leave a little saving after all legitimate current expenditure on agriculture and the household has been met, so that this saving could be applied to the liquidation of old debts. The mistaken notion associated with the start of the movement that co-operative credit could serve this purpose and which has clung more or less till now as evidenced by permitting this purpose to be regarded as a legitimate purpose for loans is largely responsible for increasing the load yet further. Short or intermediate term loans can, if judiciously employed, prevent any further increase in the burden, though even that in the present state of uneconomic agriculture seems scarcely possible, but it cannot leave any adequate margin of saving which could be employed to redeem past follies or misfortune. The sower, it is often forgotten, is the village retailer as also the purchaser of the villagers produce and what he cannot recover from the borrower by way of interest or the part payment of the principal of the loans, he can more than make good on the threshing floor or in his shop. The co-operative movement by concentration on the credit side has attacked him on one front only, so that the risks of non payment are saddled on the society while the profits of the merchant and the retail shop keeper are still enjoyed by the sower, the attack ought to have been on all fronts.

However under the circumstances the clarification of the situation of indebtedness is most desirable as a preliminary towards tackling the important questions of the redemption of old debts. The Indian Central Banking Enquiry Committee has wisely emphasised the need for a vigorous policy of debt cancellation on a voluntary basis and for exploring the possibility of undertaking legislation to secure if need be, the settlement of debts on a compulsory basis. A simple Rural Insolvency Act as recommended by the Royal Commission on Agriculture and endorsed by the Central Banking Committee would also be an important step towards liberating those who have already given up all their assets, from the incubus of ancestral and old debts so that at least they and their heirs could start with a clean slate. In any case, the need for long term loans to the agriculturists for land improvement and for the redemption of old debts seems obvious, and it has now been recognised that the time has come for the provision of this facility by the starting of land mortgage banks.

There are three main types of such banks. The strictly co-operative type is an association of borrowers who raise credit by the issue of mortgage bonds bearing interest and made payable to bearer and is well illustrated in the German Land-chaften. The commercial type is represented by the Credit Foncier of France, which works for profit and declares dividends. The third type—the quasi co-operative has a mixed membership of borrowers and non-borrowers, operating over fairly large areas and formed with share capital and on a limited liability basis. The banks organised so far in India are in a sense of the co-operative type, though strictly speaking they belong to the quasi co-operative variety, admitting, as they do to the membership a few non borrowing individuals for attractive initial capital as well as business talent, organising capacity and efficient management.

At present there are 12 co-operative land mortgage banks in the Punjab. Two of these operate over whole districts, the rest confine their operations to a single tehsil. Bombay has three land mortgage societies, which have only recently started their operations. Bengal has two, Assam has five, while Madras has 38 primary land mortgage banks and a central land mortgage bank has been started recently. It is too early to pronounce on the success or otherwise of these few banks. Among the objects for which these banks advance loans are the redemption of old debts, improvement of land and method of cultivation and the purchase of land in special cases. The Central Banking Committee think however that for a long time to come the resources of these institutions will be mainly required for enabling the cultivator to redeem his land and his house from mortgage and to pay off his old debts. One feels, however, extremely doubtful whether the emphasis should not be laid on the intensive and extensive development of agriculture, since as pointed out above, unless agriculture becomes a paying industry, the redemption is impracticable and illusory. The bulk of the funds of these banks will have to be raised by debentures and for this purposes, there will have to be in the provinces central land mortgage banks as in Madras. The provincial co-operative banks cannot function

as such except as a temporary measure, as in Bombay and the Punjab Government will have also to render assistance to these institutions for the success of the debenture issue, and its guaranteeing the interest as in the Punjab ought to meet all reasonable needs, though in special cases there would not be much harm in the Government purchasing debentures of a certain value. While mutual knowledge or control over one another among members is the insistent feature in the case of the unlimited liability credit society, the insistence in the case of a land mortgage bank with limited liability is on the capacity and business habits of the directorate, in order to ensure sound valuation of security, careful investigation of titles, correct assessment of borrower's credit and repaying capacity and on the efficient management of affairs.

Propaganda, Education and Training — In the initial stages of the movement, it fell on the Registrar to carry on propaganda and organize co-operative societies. For this purpose the assistance of non official honorary workers was imperative and in the various provinces a band of such workers was brought into existence, who as honorary organisers of the district or talukas actively co-operated with the officials in carrying on propaganda, organising new societies as a result thereof and looking after the societies so started in some measure. With the rapid growth of co-operative societies, however, it was felt that for the further propagation of the movement it was desirable to carry on work by the non-officials in a more organised manner and for that purpose co-operative institutes were started in the various provinces. In some provinces, like Bombay, these institutions are mixed institutions with a membership of individual sympathisers and workers and of co-operative societies. In others like Madras and the United Provinces, individuals were not admitted as members and the institutions became provincial unions of co-operative societies. In some provinces, like Bihar and Orissa they became federations of co-operative societies, while in others, like Bengal and Assam, they are known as co-operative organisation societies. Whatever the exact form assumed by these provincial institutions their functions were more or less the same in all provinces, comprising propaganda and the focussing of non-official co-operative opinion on the various problems that confronted the movement from time to time. They derive their funds by subscriptions from their members and from Government grants and the work that they have hitherto been able to do has doubtless earned for them a position of considerable importance, in the co-operative movement. They have been the powerful instruments of bringing together the non-official element in the movement which though essentially a popular movement, had to be started under the auspices of the State, and their conferences and council meetings have become more or less like provincial co-operative parliaments where officials and non officials meet together, exchange views on important questions and formulate policies. They have come to be regarded in an ever increasing measure as the third arm of the movement, the Registrar and his staff representing the administrative side performing more or less the functions assigned to them under the

statute, the provincial bank with the central banks and banking unions representing the financial side and as such concerned more with the financing of the movement and the institutes, unions, federations or organisation societies representing the propagandist side and as such concerned more with educating popular opinion and representing non-official views to the authorities. A few years back, the All-India Co-operative Institutes Association was established, with a view to co-ordinate the activities of the provincial institutes, to formulate non-official co-operative opinion on important co-operative problems from time to time and to encourage the growth of co-operative literature.

It was soon perceived that one of the serious handicaps to the successful working of co-operative societies was the ignorance of the members and the absence of trained men as office-bearers of societies. Illiteracy of the rural population, however, has been found too big a problem for these institutes and they have, therefore attempted only to spread knowledge of co-operation and co-operative principles to the members of societies and to train up the office-bearers in various ways. Education has thus developed into an important function of these institutes. In Bombay, the Institute has created a special education board which maintains co-operative schools at different centres and conducts periodically training classes suitable for different types of workers and employees of co-operative societies. In order to do its work thoroughly it has started branches in the districts and divisions which also start elementary training classes for the members of the managing committees at different centres and generally assist in the spread of co-operative education. In the Punjab, however, co-operative education has been organised by the Co-operative Department though the Punjab Co-operative Union renders active assistance therein. In Bihar and Orissa a permanent Co-operative Training Institute has been established at Sabour in the Bhagalpur Division which is controlled by a governing body which includes the Registrar, and a few representatives of the Co-operative Federation. Madras has organised 6 training institutes, which have been registered as co-operative societies. The Provincial Union there, however, does organise training classes for employees of central banks, urban societies and unions. In the United Provinces, Bengal and the Central Provinces, arrangements for co-operative training and education have not yet been properly made, though there also it is the Department assisted by the provincial union which organises the training classes. The need for proper co-operative training and education has been felt in an increasing degree in recent years and the Central Banking Enquiry Committee has recommended very strongly the establishment of provincial co-operative colleges and an All-India Co-operative College for the higher training of more important officials in the Department, banks or societies. No action apparently has been taken till now on these recommendations, but there is no doubt whatever that any serious attempt at improvement of the co-operative societies in the country must include a proper organisation of co-operative education not only for the office-bearers of societies or the managers and inspectors of central and provincial banks but also

Of these the most important are the marketing societies, particularly for the sale of cotton in Bombay, the irrigation and mill societies in Bengal and the consolidation of holdings and better living societies in the Punjab.

Marketing Societies—Marketing of agricultural produce is the real crux of the whole question of rural prosperity and betterment and as group marketing is always more effective than individual marketing, especially in India where the individual producer is illiterate and constitutes a small unit, co-operative marketing has been accepted now as one of the most desirable ideals to work for. It is only the complexity of the working of co-operative sale societies, the difficulty of providing for marketing finance, the lack of expert knowledge on the part of co-operative officials and the lack of godown and storage facilities that have prevented the rapid multiplication of sale societies and their efficient working. It is really in the development of this form of co-operative effort that ultimate success must be sought for in India, for credit alone could never bring comfort. Where it has been tried with success the results have been extremely satisfactory to the members. The tremendous headway made in European countries like Denmark and in the United States of America in co-operative marketing organisation and the successful examples of the cotton sale societies in Bombay should arrest attention and invite concentration on the co-operative organisation of agricultural marketing. The jute and paddy sale societies of Bengal have not met with success, it is true, but the cotton grower in Gujarat and the Bombay Karnataka has reaped considerable benefit from the cotton sale societies. Absence of fraud in weighing, adequate and high prices, insurance of the produce against risks of fire, prompt payment of sale proceeds, financial accommodation till the produce is sold, information of daily price fluctuations in the Bombay market, supply of gunnies and genuine and certified seed, bonus and a dividend are no small gains to the agriculturist, who was otherwise at the mercy of the *adatyas* or worse still of his village sower. The Gujarat societies cover a smaller area than those of the Karnataka, but the cohesion, loyalty and unity of purpose among their members makes them more co-operative. There the agriculturists of three or four villages growing a similar strain of cotton combine themselves into a society, pool their cotton and sell it jointly by private treaty and not by auction as in the Karnataka. The cotton sale societies of Surat have recently combined in a federation which has taken over the co-operative ginning factory already started by the members. A few societies for the sale of other articles have also been organised in Bombay, such as jaggery, tobacco, chillies, paddy, onions and arecanut. Bengal has several jute sale societies with a Jute Wholesale at Calcutta and several paddy sale societies with a sale depot in Calcutta. The Punjab has several commission shops which provide storage facilities so that the grower does not wait for better prices, but which sell to local merchants yet, rather than to the merchants at the port. Madras has a number of sale societies, but their transactions are small and they have not yet made much progress.

Consolidation of Holdings—The law of primogeniture, by which the eldest son alone

succeeds to the property of his ancestor and which is in force in some European countries does not obtain in India. Each heir is given a proportionate share of each item of the inherited property and not a share of the whole, equivalent to his portion. The result is that successive generations descending from a common ancestor inherit not only smaller and smaller shares of his land but inherit that land broken up into smaller and smaller plots. This continuous partition of each field amongst heirs lead to fragmentation, which is accentuated by the expansion of cultivation, irregularly over the waste, by purchase and sales, by the extinction of families in default of direct heirs and the division of their property amongst a large number of distant relatives, and by the break up of the joint family system and the custom of cultivation in common.

The disadvantages of fragmentation are obvious. A part of land is wasted owing to fragmentation being so excessive as to prevent any agricultural operations, and another part is lost in boundaries. Fragmentation involves endless waste of time, money and effort, it trains the cultivator from attempting improvement, it prevents him from adopting scientific methods of cultivation, it discourages him from carrying out intensive cultivation, it enforces uniformity of cropping, and especially restricts the growing of fodder crops in the period during which cattle are usually sent out to graze on the fields. The economic loss due to this system can be easily imagined, and the only solution is consolidation of holdings. This most difficult, important and interesting experiment originated in the Punjab in the year 1920. The procedure adopted in establishing a Co-operative Consolidation of Holdings Society is to call together persons directly interested in land in a village, persuade them to accept the principle whereby a majority in a general meeting may approve a method of repartition, and then carry out actual adjustment of fields and holdings in such a manner that no single individual may have any grievance. As the result of past work which has now extended over ten years some very striking results have been achieved and the movement for consolidation in Punjab has assumed the dimensions of an important agricultural reform. It is steadily gaining in popularity, and, as more staff are trained and the people become better educated to the advantages of the system, the figures for the consolidated are mounting up year by year. This work began in 1920-21 and in the 10 years that have elapsed since then, 2,63,463 acres have been consolidated by the end of July out of the whole cultivable area of 40 millions, at an average cost of Rs 2 per acre.

Improvement of agriculture is general, holdings have been brought together, ploughs and other implements are used, crops of new varieties of an old crop are raised and is removed from light soil, and the effect of consolidation is to increase rent and decrease causes of litigation and of Rents have risen, yields have increased. Land has been brought under the plough... land brought under irrigation. New wells have been sunk, and old ones repaired. Farms have been obtained to the roadways, farmin

become more intensive, and fruit trees have been planted. The great disadvantage of consolidation through co operation is that the pace is slow compared with the area to be consolidated. Therefore, compulsion will be necessary for a wide extension and its introduction is only a matter of time but it is better to wait the growth and development of a strong public opinion in its favour rather than incur the risk of a premature resort to legislation which might bring the scheme into odium.

In the Central Provinces some success in consolidation has been achieved in the Chattisgarh Division where scattered holdings are particularly common and it is not rare to see 10 acres broken into 40 plots. The Local Government found it desirable to resort to legislation, and passed the Central Provinces Consolidation of Holdings Act in 1928. Any two or more permanent holders in a village holding together not less than a certain minimum prescribed area of land, may apply for the consolidation of their holdings, but the outstanding feature of the Act is that it gives power to a proportion, not less than one-half of the permanent right-holders, holding not less than two thirds of the occupied area in a village, to agree to the preparation of a scheme of consolidation, which scheme, when confirmed, becomes binding on all the permanent right-holders in the village and their successors in interest.

In Bombay a Bill was introduced in the Legislative Council in 1928 to deal with certain features of the problem. When this Bill was introduced a good deal of opposition was created and it had to be ultimately dropped.

There are 11 societies for consolidation of holdings in the United Provinces, and 11 in the Baroda State based on the Punjab model.

Irrigation Societies—Another very interesting and useful type of non credit society is the Irrigation Society so predominant in Bengal. From a humble beginning of 3 societies in 1919, the irrigation movement to day claims about 1,000 societies in the western districts of Bengal with a membership of over 20,000, a paid up share capital of over Rs 2 lakhs and a working capital of over Rs 4 lakhs. These societies fall chiefly under two classes: those for new construction and those for reconstruction and re excavation. Irrigation is a necessity in the western districts of Bengal where the country is mostly elevated, undulating and easily drained with no possibility of water logging and the distribution of rainfall is extremely variable. In the Sundarbans, land is still below high water level and embankments are necessary to prevent the ingress of salt water. Considerable success has been attained in the Sundarbans tracts. The greatest progress so far has been made in the construction of small irrigation works in the districts of the Burdwan division. Embankments for flood protection and reservoirs to control floods and ensure a constant supply of water for irrigation are beyond the scope of co operative effort while drainage schemes for the improvement of agricultural and sanitary conditions have so far not been taken up. The main features of irrigation societies are (i) they are on a multiple liability basis, (ii) the number of shares to be subscribed by members is fixed so as to meet full costs and is based also on the area of land which will be benefited, (iii) funds are further raised if necessary by deposits and

loans to be paid off from the instalments on shares as they fall due, (iv) a levy of water rate or of the capital cost of maintenance provides for the proper maintenance of completed schemes. Madras also has a number of such irrigation societies.

Milk Societies—One of the notable contributions of Bengal to the co operative movement is the immense organization built up for the co-operative sale and supply of milk, consisting of, in the first place, the 108 rural societies which are the producing centres, and, in the second, the Calcutta Milk Union which is the distributing centre. The rural society which is the unit of the organization, generally covers a village, and its members are *bona fide* milk producers whose primary occupation is agriculture with milk production as their secondary occupation. The societies, which are all of the limited liability type, are affiliated to the Milk Union at Calcutta, which is a central society. It supervises, controls, and finances the individual societies, and arranges for the distribution and sale of their milk in Calcutta. Just as only milk producers are enlisted as members of milk societies, so only milk societies can be members of the Calcutta Milk Union. It is thus a pure type of Central Society, which does not include any individual shareholder.

The milk obtained from the societies in a group is collected at a depot which is under the charge of a depot manager, whose duty it is to receive the milk in properly sterilized cans, measure it, note the general conditions and the lactometer point, and give a receipt to the carrier. The working of the depots is looked after by the depot supervisor. Above the supervisors there are the depot manager and the society managers. There is also the Veterinary Inspector who examines and treats the cattle belonging to the societies and looks after the milking arrangements and the sanitary condition of the cowsheds. Above them all is a Government officer, placed on special duty in the Co operative Department. He is the Superintendent of Milk Societies all over Bengal and the Chairman of the Calcutta Milk Union. The Union has devised very careful measures to ensure the purity of milk supplied to its customers. These measures include the installation of a pasteurizing plant and a boiler. The Union has got a motor lorry and has introduced the cycle lorry system of delivery. The milk is also carried by hand carts and coolies for delivery to customers. The Union at present supplies milk to most of the big Calcutta hospitals, to fashionable restaurants and to a large number of individual customers, through a number of depots and distributing centres, located at convenient places all about the city. Besides the Calcutta Milk Union, five other unions have also been formed and two of these, at Darjeeling and Dacca, have already attained a fair measure of success.

The milk co operative societies are societies of producers, though the desire to make pure and cheap milk available to consumers may have been mainly responsible for their birth. Whenever they had a chance, they have justified their existence by ensuring a better price for producers, while they have proved their utility to consumers by providing pure milk at a reasonable rate. Calcutta has set an example which Bombay, Madras and other large cities may well follow. Madras has already several milk

society with a Union in the City for distribution, and the Bombay Municipality is seriously considering the co-operative solution of the milk problem of the City of Bombay.

Rural Reconstruction—One of the main reasons why the achievement of the co-operative movement is so short of the expectations of its promoters and various lies in the extreme backwardness of the rural population and it is not so much to state that the ultimate success or otherwise of the co-operative movement has hung up with general rural development and progress. So long as agriculture remains stunted in literacy and ignorance are prevalent and almost hopeless-minded have a fatalistic and listless outlook on life and have an extremely low standard of living carrying on agriculture with simple tools and implements in more or less a primitive fashion, no great approach to the ideals and the goal of the co-operative and all other rural movements is possible. The co-operative movement itself is indeed a great experiment in rural reconstruction aiming to prevent the rural areas from exploitation of the peasant, the middleman class and the merchant; but concentration on the credit side of the movement with but half-hearted attempts for the co-operative organisation of supply and marketing is a crying misdirection of its intentions for various purposes and above all the neglect of the educational, sanitary, medical and the social side of village life explain very clearly why the achievements of the movement during the last 20 years have fallen far short of its objective. Rural reconstruction has however of late years claimed an increasing amount of attention but similar attempts on a mass scale have not been made. What has been done has been fragmental effort—the efforts of individuals fired by the impulse of social service and moved by enthusiasm to utilise their opportunities to the best advantage by contributing to the cause of the humble village folk. The best known of such centres is at Gurgaon in the Punjab. The work done there covers education, sanitation, medical relief, improvement of agriculture, female education and maternal welfare. At Dargpur in the Punjab also schemes of rural reconstruction have grown out of co-operative societies embracing upon the under functions of cattle-breeding, improvement of cattle and agriculture, adult education, thrift, better living and art instruction, disputes. The Vakra-Bharati of Dr. Ratanmehar Tagore has a social department devoted to rural reconstruction which has started co-operative rural reconstruction societies in the villages of the Baramulla District. Sir Daniel Hamilton has done a lot of data-collecting in the Sunderbans by establishing schools there on modern lines. In the Madras Presidency the Province of Co-operation Union runs 8 rural reconstruction centres and the work of Admaria has been eminently successful. Mr. V. N. Muru was responsible for the rural reconstruction scheme in Bangalore. A co-operative movement has been enlisted in the Province of rural reconstruction and societies have been started there at various times in the past. In colonial India, societies of Bangalore also attempt in the same direction to bring a single stream to only one aspect of the problem.

In the Central Provinces and Berar the Government started on from November 1929,

a special campaign of rural uplift in the Pipariya Circle in the Hooghly District, concentrating the efforts of all departments concerned with rural uplift in that area. An agricultural assistant, a veterinary assistant, surgeon and an assistant medical officer were placed on special duty there. While the Deputy Educational Inspector Subbarajpalai and the chief auditor of Pipariya also took extra work and special propaganda and the Deputy Commissioner and Sub-Divisional Officer toured and supervised the work. The campaign has yielded concrete results. Interesting experiments in a few selected villages are in progress in the Nimer and Bital districts and Government want only for improvement in financial and political conditions to launch more ambitious schemes. In Bombay the starting of Taluka Development Associations and the creation of the Divisional Boards of Agriculture and Co-operation some co-ordination has been brought about between the Departments of Agriculture and Co-operation. The Bombay Reorganisation Committee proposed the creation of a Board of Rural Welfare with the Director of Agriculture as chairman and Deputy Directors of Co-operation, Agriculture and Veterinary Science as members. The latter part of 1933 saw a considerable impetus imparted to the cause of rural reconstruction in India. His Excellency Sir Frederick Stiles Governor of Bombay concentrated on village uplift and carried on an intensive propaganda in that behalf which has led to the formulation of a scheme whereby the work will be carried on earnestly by District Committees under the guidance of the District Collectors, the work being co-ordinated by Divisional officers. The Punjab has appointed Mr. Brayne of Gurgaon fame as Commissioner for Rural Reconstruction and Bengal has made a similar appointment and it appears that all provincial Governments are devoting considerable thought to this very important work.

Better Living Societies—The Punjab has been responsible for introducing this very desirable type of co-operative society to promote better living among its members. There are about 300 such societies in that province and they have been doing quite important work in their own way. The societies do not collect any levy from their members, except the small entrance fee and they lay down a programme of work and make rules for carrying it out from year to year violation of which is punishable with fine under the by-laws. Though these societies in the first instance have for their object the curtailment or ruinous expenditure on marriages and other social occasions they have also helped in various other matters so that apart from saving to their members thousands of rupees each year, they are contributing to the general village uplift in some measure. Some of these societies have levelled and paved and swept the village lands, some have promoted sanitation, some have induced the villagers to improve ventilation in their houses, some have repaired and roofed the village drinking well, some have arranged that all manure should be utilised, some have discouraged expenditure on jewellery and some have stopped waste on marriages. Thus in a variety of ways these societies generally have been great factors in the improvement of conditions in the life of the village. It is earnestly hoped that such better living societies

will be started in large numbers in the various provinces of India or better still that the co-operative credit societies would take upon themselves the function performed by these societies and that the term better living be given as wide a connotation as possible so that the co-operative movement would be doing good to itself and the nation by carrying on the general work of village uplift, as well as its own economic objective of strengthening the position of the agriculturist.

Educational Societies—Though the problem of illiteracy is a very large problem indeed and though education is one of the chief responsibilities of Government it is interesting to find that because of the great reaction which illiteracy has on the efficient working of co-operative societies, educational societies have been started in some of the provinces—notably the Punjab. In that province, there are two kinds of societies, one for adult education and the other for compulsory education of children. In the former the members pay a small entrance fee and a small monthly fee to make up the pay of the teacher, who is generally the school master of the primary school receiving a small extra pay for the additional work. Such of these schools as are well conducted are later on taken over by the District Boards. Various other agencies in that province have also started similar schools with the result that their number has gone up to about 2,000. The compulsory education schools for children are started by parents, fees are collected as in the case of the adult schools for engaging a teacher and there are about 150 such schools imparting tuition up to the IV Standard. Though such educational societies may not have done all the good they aimed at doing, there is no doubt whatever that they bear testimony to the realization of the marked correlation of education and co-operation. The United Provinces is gradually following the lead given by the Punjab and they also have started a number of schools. In Bihar and Orissa, the co-operative credit societies give considerable impetus to primary education amongst the members making it possible to open and run a number of path shalas and schools by adequate contributions. In Bengal many societies spend on education and some of them maintain night schools, as a result of which in one district alone there are 38 such schools, 2 upper primary schools and one English middle school. The Ganja cultivators' societies spend large amounts out of their profits on education and help 3 high schools and 87 primary schools. Societies in Bombay also spend fairly large amounts by making grants to schools and giving prizes and scholarships.

Anti-malarial Societies—Among other things, the need for improvement in village sanitation, an important constituent of "better living" arrested the attention of co-operators particularly in Bengal, which pays a heavy toll, year after year, from that terrible scourge—malaria and *kala azar*—and where, unlike many other provinces, the rural death rate is higher than the urban death rate. There is some talk at present of experimenting with plasmoquin to render mosquitoes immune from infection and thus prevent the spread of infections. Bengal has thus rendered a distinct service by organising successfully a campaign in rural areas for arresting or checking in some measure

the ravages of malaria. The first co-operative anti-malarial society was the Panihaty Society registered in March 1918, and in July 1919, the Central Society was launched. The whole movement in this direction owes considerably to Dr Gopalchandra Chatterjee. The Central Society aimed at organising a network of anti-malarial and public health societies, at carrying on propaganda, at guiding the rural societies and acting as an expert advisory body. There are now about 600 rural societies, often in inaccessible places and the Central Society now acts as merely an organising body, leaving the function of supervision to local bodies, through whom Government give grants to them. The members of the rural societies pay a monthly subscription of from 4 annas to a rupee, and each of these maintain a medical man on the subsidy system, who attends to the families of members free of charge. They depend for funds on subscriptions, donations, and grants from members, benevolent individuals and Government. They do not pry their way and therein indeed lies their weakness. The actual anti-malarial work consists of filling up all stagnant pools and ditches within the village areas during the dry season and kerosining all stagnant accumulations of water, immediately after the rains. Many dispensaries and schools are being maintained, some on a share basis, others on a charity basis, and these societies have done the great service of bringing the services of qualified medical men within easy reach of inaccessible rural areas.

Urban Credit Societies—While the chief objective of the co-operative movement was from the first to do service to the rural population, it must be remembered that the Act of 1904 permitted 2 classes of societies,—rural and urban, recognising thus the suitability of the co-operative method for solving the problems of urban population also. At present there are in all 10,753 non-agricultural societies with a membership of 11,81,989. Of these, 5,262 are credit societies, the rest being societies for other purposes.

The urban co-operative credit societies for consumers resolve themselves into three types: (i) The salary-earners' society, (ii) the mill-hands society, and (iii) the communal society. The salary-earners societies have been generally organised on the occupational basis, the members being employees in the same firm or Government office. The strength of such a society lies in the absence of communal jealousies and factions, in the higher level of culture and intelligence of the members and the spirit of discipline that prevails in a modern well-conducted office. A great accession of strength accrues to the society from the sympathy of the employer or head of the office, through whom recoveries of instalments of loan repayments could be arranged from the pay sheet and the danger of overdues practically eliminated. The basis of the society is very good, and the working generally sound. Monthly subscriptions inculcate the habit of saving, so essential and useful to the salaried and the society can well act as a great and useful feeder for the co-operative investment trust, which is the logical development of the thrift-cum credit society such as this, in essence, is.

The Mill-hands' Society are more or less of a similar type, the differences lying, chiefly

in the illiteracy of the members in their smaller transactions and in the possibility, though experience hitherto has not convicted that into actuality, of the whole organisation being wrecked to pieces when the millhands go on a prolonged strike.

The **Communal Society** as consumer-organisations are not indeed quite sound, where sentiment comes in from the door, efficiency and safety fly away through the window, the ability to save is not properly assessed, the nobler, but the unbusiness like, desire to help tales possession, overduces mount high procrastination in the matter of recoveries and references to the Registrar for arbitration create great trouble. Despite this inherent weakness, however, several societies of a communal type have done remarkably well and have been serving their communities in more ways than one.

An important class of the urban population is that of the merchants and traders, and though the joint stock banking system that has so far developed in India is quite well suited in many respects for them, from the point of view of the small trader, it is co operative banking that is obviously wanted. The importance of **People's Co operative Banks** promoted for the benefit of urban people without any distinction of caste or creed is, therefore, very great, for the finance of small merchants, artisans and craftsmen for the stimulation of trade and industries in and around district and taluka towns. The principal business of these banks is short-term credit and in this respect they resemble the ordinary commercial banks. In the absence of any industrial co operative bank, it is also for the peoples bank to finance small industrialists and help the development of cottage industries, which still play a very considerable part in the industrial economy of India. Another very important function which falls to peoples banks is the financing of the marketing of the produce of the land from the field to the port or to the principal market centres and thus assist in the development of the internal trade of the country. It is only, however, in the Bombay and Bengal Presidencies that we meet with some good institutions functioning as peoples banks. In Madras there are 1,130 non agricultural credit societies but most of these are not real peoples banks. The Punjab has over 1,000 unlimited liability societies and only 92 with limited liability. Even here we hardly find any development of real peoples banks. In Bengal the limited liability urban credit societies number

69 and though these societies seem to have won public confidence the more important of them are salary earners credit societies. Some of the divisions especially the Chittagong divisions have several big concerns, however, working on sound lines. The question of starting Peoples Banks in Bihar and Orissa has not yet been seriously taken in hand. In the Bombay Presidency, institutions with a working capital of Rs 50,000 and more are classed as urban banks. Since 1922 co operators in this Presidency have been very keen on having a full fledged peoples' bank in every taluka town, for it has been realised that with the proper development of urban co operative banking, there is no doubt that the various units will come into touch with one another and that mutual settlement of terms and co ordinated

and harmonious work will greatly assist the development of inland trading agencies. Peoples' banks are a repository of peoples savings, a nucleus for co operative activity and an institution giving facilities for internal remittance and it is quite necessary therefore that their share capital must be pretty large. In the Bombay Presidency on the 31st March 1932 there were 91 urban banks most of which are fairly successful. The total membership was 1,39,379 the working capital was Rs 3,57,60,347 and the reserve fund amounted to Rs 19,41,622. It can be said without exaggeration that the development of urban banking has been a distinct contribution of Bombay to the co operative movement in India and other provinces might well follow Bombay's example in this direction.

In 1926 the urban banks of Gujarat formed themselves into a supervising union for the purpose of inspecting the accounts of its banks and helping them in the development of business. The Bombay Provincial Banking Inquiry Committee have recommended the formation of similar unions for the urban banks in other divisions of the Presidency which will be useful not only for supervision of the existing banks but also for the guidance of the newly formed banks.

An important variant of the urban co operative society is the **Thrift Society**. The system adopted is to collect regular savings every month for a continuous period of two to four years, invest the collected amount to the best advantage and pay back to the subscriber his amount at the end of the term with interest. In many societies loans are advanced also but not exceeding a certain fixed proportion, usually $\frac{2}{3}$ of the deposits. The Punjab has about 1,000 such societies and the bulk of the members are school masters. There are about 125 thrift societies for women only having a membership of about 2,000. Madras has also more than 100 thrift societies and Bombay has half a dozen. Recently however **Life Insurance Societies** have been started in Bombay, Bengal and Madras. The Bombay society was started in July 1930 and for a few months worked as a provident society only, issuing policies of Rs 150 to Rs 500 and that too without medical examination, the idea being to bring life insurance within easy reach of the small man in the village as in the town. It has no share capital and works on a mutual basis. It has now, however, widened its scope and has been writing policies for larger amounts under its ordinary branch, while under the rural branch, besides the ordinary small policies, it has recently issued a scheme for decreasing term insurance, which will, it is hoped, meet the needs of the primary societies and their borrowing members much better. It has by now written a business of over Rs 10 lacs. The Bengal society is yet a provident society issuing small policies, while the Madras society—the South India Co operative Insurance Society—has started vigorously as a full fledged life insurance society with share capital and comparatively low rates of premium, and has already written a large business of over Rs 10 lacs.

Non Credit Societies in Urban Areas—The consumer movement in this country has had a very sorry record excepting in the almost solitary example of the Triplicane Co operative

Stores of Madras The reasons for this state of affairs have been discussed by the Registrars in their annual reports from time to time and it seems that there is no immediate possibility of any very great efforts being made at pushing on this form of co-operative effort, which has found such signal success in England. The small capital of the societies when started, the want of experience and business ability of the workers, the inability of the honorary workers to perform efficiently the complicated work of a store society, the absence of any common tie between the members, the narrow margin between the whole sale rates and the retail rates. In Indian cities leaving little economic advantage in the store system, the pinning of their faith on absence of adulteration and correct weights and measures, the insistence on cash payments—all these have been responsible for the failure of the co-operative store movement in this country. The Triplicane Society of Madras forms a splendid exception and from humble beginnings in 1908 it has attained a position of considerable importance serving its members through numerous branches. The society celebrated its silver jubilee in 1930.

Producers' Movement—Producers' co-operation in India is yet in a rudimentary stage. Half-hearted attempts made to apply co-operative methods in the case of the artisans and cottage workers have not been attended with success. People engaged in these industries may be divided into three classes (i) those working on their own account and selling their finished articles themselves, (ii) those working in their own home on behalf of some merchant or dealer, receiving wages on the piece work system for the work done by them, and being provided with the raw materials from the merchants who give them the work, and (iii) those working in small *karkhanas* or factories under an employer, generally known as the *karkhandar* and receiving wages on the time scale, somewhat on the lines of the workers employed in large scale industries. A large number of artisans are still carrying on their trade on their own account, and these are wholly in the hands of the money-lenders, who charge exorbitant rates of interest. The latter also supply raw materials and purchase the finished articles at prices dictated by themselves. These transactions leave little margin to the worker, who having a running debt with the merchants is obliged to deal with them without being able to resort to the competitive markets.

What the artisan requires is thus (i) credit facilities, (ii) facilities for the purchase of raw materials and implements, and (iii) facilities for the sale of his product. The only thing that has been so far done is to organise credit societies for some of the artisans, hoping in a half hearted way for societies for purchase and for sale to follow later on. The most important cottage industry being hand-loom weaving, attention was directed early to them and we have several societies of weavers. The societies for weavers in the Punjab affiliate themselves to the Co-operative Industrial Bank at Amritsar for finance. Besides this bank, there are six unions at different centres to which the societies within their areas are affiliated as shareholders. They raise their own funds too by shares and compulsory deposits. The Co-operative Industrial Bank at Amritsar helps the weavers' societies

in the purchase of raw materials. The business branch of the bank—the sales depot at Lahore—sends to the societies weekly quotations and keeps them in touch with the trend of the market. The indents from societies are received by the Bank which arranges for the purchase of the requirements from Amritsar itself—the most important commercial centre in the Punjab or from Ahmedabad and Bombay. The other six Unions also help in this work through the Lahore sale depot. For the sale of the finished goods, however, the societies are left to hold themselves, the unions and bank help but little, though the depot renders some service by securing orders, keeping goods on deposit and by advising societies to prepare cloth of the pattern most in demand in the market.

Bombay, Madras and other provinces have also a number of weavers' societies, but nowhere have they developed into producers' societies or have met with any marked success.

Co-operative Housing Societies—An important direction in which the co-operative movement has developed in urban areas on the non-credit side is the provision of suitable housing accommodation to the lower middle classes at a fair rent. The housing movement represents a protest against exploitation of tenants by landlords in large cities. It has achieved a considerable measure of success in the Presidency of Bombay, where the Societies in 1931-32 numbered 83 with a total working capital of 89 lakhs. Of the 83 societies, 23 are in the city of Bombay and its suburbs, 21 in Ahmedabad, 12 in Karachi and the rest in other parts of the province. Of the remaining provinces, Madras has 130 societies with a total working capital of 40 lakhs, and the rest of the provinces have only one or two. Among the Indian States only Mysore has 12 societies. The societies outside the Bombay Presidency are mere lending societies and do not undertake the construction of buildings as those in Bombay do.

The housing societies started so far are confined to the middle class men such as clerks, pleaders, traders and the like and are all on a communal basis. No housing societies have yet been started in this country for the working classes. There are two main systems of co-operative housing, the individual ownership and the co-ownership or tenant co-partnership systems.

An important drawback of the *ownership system* is that the members of the society have an unrestricted right to transfer their property to any person, with the result that many houses built with the help of co-operative money, have passed into the hands of speculators. In order to remove this defect, Bombay has introduced a new scheme known as the *tenant ownership system*. In this system the society takes a large plot of land on lease or by purchase, and after laying out roads, if they do not exist already, divides the land into smaller plots and distributes them among the members, reserving some land for common purposes, for erecting a common hall and for a play-ground. The cost of development is a charge on the members' plots, the price of which varies according to their situation. The members hold the plots on a lease from the society on condition that in case of sale of their holding, before or after erecting a

building, they will give the first choice to the society or to a member recommended by it. Government undertakes to advance loans to members of this type of society to the extent of twice the capital paid by each member, repayable within 20 years, the maximum amount allowed to a member being Rs. 10,000. When all the houses are built, the society would look after the common property, settle disputes between members and generally to the work of a municipality for the colony.

In the *tenant co partnership system*, the society takes up a large area of land and constructs buildings thereon for the residence of its members, and makes provision for their common amenities. Members reside in the buildings as the tenants of the society. They contribute capital to the extent of 1/5 to 1/4 of total cost in proportion to the gross residential area provided. The remaining capital, in addition to that contributed by the members, is raised by way of a loan. The Government of Bombay advances loans to the housing societies of this type to the extent of three fourths the paid up capital repayable in 40 years by annual instalments with interest at 5½ per cent. Governments of other provinces have recently commenced to advance long term loans to housing societies at about 6 per cent. In this system the position of the society as well as of the members is secured. The society holds a substantial stake of the members, and there is no chance of default. Though no member is the owner of any building or its part in which he resides, yet all the members are joint-owners of all the buildings. It is a socialistic ideal in which the ownership rests in the community as a whole and not in individuals.

Review—The Co operative Societies Act of 1904 had limitations which were soon recognised and at a conference of the Registrars, a bill was drawn up which became the **Co operative Societies Act of 1912**. This Act remedied the defects of its predecessor, authorized the registration of societies for purposes other than credit, substituted a scientific classification based on the nature of the liability for the arbitrary one into rural and urban and legalised the registration of Unions and Central Banks.

In 1914 the Government of India reviewed the situation in a comprehensive resolution and recommended a change in the policy regarding the grant of loans to members, so that they might lend money for domestic purposes as well as for agricultural ones in order that the members might confine their dealings with the Co operative Societies and be weaned from the sowars. In 1914, the **MacLagan Committee** on Co operation was appointed and its report in 1915 led to the reorganisation and overhauling of the whole administration of co operation. Punctual repayment of loans was insisted upon, and all those societies that failed to live up to the ideal of co operation were sought to be eliminated. From this time onwards the share of non officials in the movement assumed increasing importance and it came to be realized that for the success of the movement, deofficializing of the same was necessary. The Government of India Act of 1919 made co operation a provincial transferred subject and the local Governments were left free to adapt the 1912 Act to their own requirements.

The steady growth of the **Central Financing Agencies** relieved the Registrar partly of the need for attending to this very important matter in the development of co operation. But propaganda still remained the function of the Registrar and his staff, paid or honorar., and it was perceived that non official institutions should be established to take over this function from official hands. Accordingly **Co operative Institutes** were started in various provinces in some cases as unitary societies reaching down to the village through their branches in the divisions and the district, in other cases as a federation or union more or less complete of the primary societies. The part these non official bodies began to play henceforth became increasingly important, some adding to the primary function of propaganda, others such as co operative education, supervision over societies and even audit.

The steady progress of the movement—sometimes even too rapid—for nearly 20 years however, was found hardly to lessen the colossal burden of the indebtedness of the riot for co operative credit necessarily confined itself to short term loans. It was in the Punjab that the first *Co operative Land Mortgage Bank* was started at Jhansi in 1920. Soon after other provinces also followed suit.

While the movement was developing at a rapid pace it was found that financially the situation was worsening. Defaults in repayment were becoming increasingly common and **Co operative Committees of Enquiry** were instituted in various provinces. The Central Provinces thought it necessary to have such a committee in 1922, while Bihar and Orissa followed with a similar committee in 1923. A few years after the Oakden Committee made similar inquiries for the U. P., the Townsend Committee for Madras and the Calvert Committee for Burma. These Committees have carefully analysed the position in their respective provinces and have made recommendations for the consolidation and rectification of the co operative credit organisation and the extension of the non credit side of agricultural co operation. The powers conferred upon the Local Government by the Act of 1910 to modify the Act of 1912 have been exercised so far in but few provinces such as Bombay, Burma, Madras and Bihar and Orissa. Bombay passed the **Co operative Societies Act of 1925** incorporating the suggestions made from time to time for the amendment of the previous All India Act. This new Act made the object of the movement still wider than that of its predecessor and its preamble refers to "better living, better business and better methods of production" as the aim of the movement. The chief features of the Bombay Act of 1925 are the adoption of a scientific system of classification of societies, the improvement of the procedure for liquidation of cancelled societies, the extension of summary powers of recovery to the awards of arbitrators and the provision of penalties against specified offences. The Burma Act came into force in 1927 and the Madras Act in July 1932. In Bihar and Orissa, the draft of a new Act is under consideration and the bill will be very likely introduced in the council shortly. The progress of the

movement in forms other than credit has not been very remarkable and credit societies still predominate, especially the Agricultural Credit Societies

The **non-credit movement** has had naturally more obstacles to overcome than the credit but the former is slowly gathering force in the shape of sale societies for cotton in Karnatak, Gujrat and Khandesh, cattle insurance societies in Burma and irrigation societies in Bengal and the Southern Division of the Bombay Presidency. Perhaps the most remarkable instance of the co-operative movement in India is to be found in the Punjab where consolidation of holdings has been successfully attempted through co-operation. In the non-agricultural non-credit sphere, a still smaller headway has been made. There are a number of housing societies especially in Bombay, Madras and Mysore, and artisans' societies and unskilled labour societies in Madras. It may be noted that on the agricultural side, co-operative farming has hardly been touched and on the non-credit side the consumers' movement has made but meagre progress.

In 1926, the *Royal Commission on Agriculture* was appointed and co-operation formed only a part—though an important one—of its extensive enquiry. Recently, in consequence of the appointment of the provincial committees under the *Indian Central Banking Enquiry Committee* the co-operative movement in the different provinces has been surveyed. But the provincial committees, for obvious reasons, confined their inquiries to banking in relation to agriculture, small industries and trade. Thus only those aspects of the co-operative movement which have an intimate bearing on the credit needs of the population and the development of banking facilities have been examined, while the need for separate enquiries into the whole movement in the different provinces of the lines of those undertaken in C. P., U. P. and Madras and emphasised by the *Royal Commission on Agriculture* is still to be met. Bihar and Orissa recently got its movement examined by a committee which has published its report last year. The Government of Bombay convened in June 1933 a Round Table Conference of official and non-official Co-operators to discuss the problems that confronted the Movement in Bombay. As a result of this Conference, three Committees were appointed, one to examine the system of supervision over Co-operative societies by the Supervising Unions in the Presidency, another to report on the best way to help the agriculturists in these times of falling prices and trade depression, and the third to examine the problem of extension of land mortgage banking on a Co-operative basis. These Committees have not yet submitted their reports, but there is little doubt that their recommendations would lead to a tightening up of supervision, an extension of land mortgage banking and efforts to meet the growth of overdue loans.

The growing difficulties of the Co-operative Movement throughout India in these times of unprecedented depression led the Government of India to hold an All-India Co-operative

Conference at New Delhi on the 29th January 1934. This Conference was unique in so far as it was not restricted only to the Registrars of Co-operative Societies and their advisers from the various provinces and States, but it also included some ministers in charge of Agriculture and Co-operation from the provinces and a representative of each of the two All-India Co-operative organisations—the Institutes' Association and the Provincial Banks' Association. This Conference recommended the enactment of an All-India Co-operative Societies Act so as to permit the registration of Co-operative Societies working in the whole of India or in more provinces than one. It also recommended earnest efforts for the development of land mortgage banks by the Government guaranteeing not only the interest on their debentures but also the capital and suggested the creation of a Central Co-operative Board under the Imperial Government with a small establishment to bring about a closer co-ordination of work between the different provinces and States of India. This last suggestion has met with some opposition, since after the provincialisation of Co-operation under the Montford Reforms of 1914, the provinces do not much fancy the imposition of control from the centre. And yet, there seems to be nothing wrong in the idea of a central organisation, which would be a clearing house for authentic information and stimulate progress through a careful study of experiments and efforts in particular areas and drawing attention of other areas to the success achieved or the deficiencies revealed.

It may also be mentioned that the **Indian States** were not slow in introducing the co-operative movement within their limits, and the movement in some of the more important of the States, such as Hyderabad (Deccan), Mysore, Baroda, Gwalior and Indore has made considerable progress, more or less on the same lines as those followed in the neighbouring British Indian Provinces.

The landmarks in the history of the co-operative movement in India are, the Co-operative Credit Societies Act of 1904, the Co-operative Societies Act of 1912, the MacLagan Committee Report, 1915, the provincialisation of co-operation, 1919, the establishment of institutes, unions and federations for propaganda, the Committees of Enquiry into the co-operative movement in several provinces, provincial legislation, the Report of the Royal Commission on Agriculture, 1928, and Reports of the Indian Central and Provincial Banking Enquiry Committees, 1931.

The movement has thus developed rapidly and the stages of its evolution may be briefly summarised as—agricultural credit, urban credit, central credit organisations, apex co-operative banks, propaganda by non-officials, non-credit agricultural co-operation, urban co-operative banking, long term loans and debt redemption schemes, land mortgage banks, co-operative education, rectification and consolidation of the credit movement, and organisation of supervision over primary societies.

TABLE No 1
Number of Societies for all India showing the Increase since 1906-07

	Average for 4 years from 1906-07 to 1909-10	Average for 5 years from 1910 to 1914-15	Average for 5 years from 1915-16 to 1919-20	Average for 5 years from 1920-21 to 1924-25	Average for 5 years from 1925-26 to 1929-30	1930-31	1931-32
1	2	3	4	5	6	7	8
Central (including Provincial and Central Banks and Banking Unions)	17	231	304	506	587	607	605
Supervising and Guaranteeing Unions (including Reinsurance Societies)			638	1,302	1,394	1,256	1,001
Agricultural (including Cattle Insurance Societies)	1,713	10,801	25,873	51,716	83,093	91,773	93,500
Non-Agricultural	196	604	1,662	4,118	8,862	10,530	10,756
Total	1,926	11,786	28,477	57,707	93,936	1,06,169	1,08,056

Number of Societies by Provinces and States for 1931-32 only

Province	Population (Millions)	Central	Supervising and Guarant- teed Unions	Agricultural	Non-Agr- cultural	Total Number of Societies	Number of Societies per 1,00,000 Inhabitants
1	2	3	4	5	6	7	8
Bombay	21.9	20	118	4,811	899	5,878	26.8
Punjab	23.6	120	3	17,590	3,120	20,830	49.3
United Provinces	48.4	71	3	5,118	101	5,703	12.0
Bihar and Orissa	37.7	68	113	8,709	329	9,709	25.7
Bengal	50.1	120	3	21,491	2,106	23,722	47.3
Assam	8.6	19		1,299	91	1,109	16.4
Burma	13.1	11	376	2,987	160	2,011	20.0
Madras	10.7	33	131	12,303	1,512	14,539	31.1
Central Provinces and Berar	15.5	36	16	3,780	91	3,926	25.3
N. W. F. Province	2.4	1	13	211	25	253	12.5
Coorg	0.2	7	2	533	104	660	111.0
Almer Merwara	0.6	1			19	10	19.0
Hyderabad Administered Area	0.1				55	270	16.5
Delhi	0.6	1		223			
Total (British India)	269.5	508	1,055	79,119	8,830	89,742	33.2
Mysore	6.6	14		1,714	123	2,181	33.0
Baroda	2.4	6	1	871	135	1,063	44.3
Hyderabad	14.1	34		2,013	363	2,410	16.7
Bhopal	0.7	22	7	1,135	27	1,191	170.1
Gwalior	3.5	5		4,015	41	4,106	117.5
Indore	1.3	5		497	18	550	42.3
Kashmir	3.0	14		2,572	357	2,943	81.7
Travancore	5.1	1	28	1,112	377	1,818	33.6
Cochin	1.2	1		110	105	210	20.5
Total (Indian States)	38.8	97	36	14,119	1,920	16,508	42.5
Grand Total	308.3	605	1,091	93,598	10,750	1,06,050	34.4

TABLE NO. 3
Number of Members for all India showing the increase since 1900-07

	Average for 4 years from 1906-07 to 1909-10	Average for 5 years from 1910-11 to 1914-15	Average for 5 years from 1915-16 to 1919-20	Average for 5 years from 1920-21 to 1924-25	Average for 5 years from 1925-26 to 1929-30	1930-31	1931-32
1	2	3	4	5	6	7	8
Central (Including Provincial and Central Banks and Banking Unions)	1,087	23,677	89,925	1,03,822	2,12,093	2,02,060	2,04,719
Supervising and Guaranteeing Unions (including Re Insurance Societies)			10,071	21,137	34,621	37,512	36,510
Agricultural (including Cattle Insurance Societies)	1,07,643	4,59,006	9,02,339	10,01,099	27,01,562	31,67,927	31,09,353
Non-Agricultural (including other In- surance Societies)	54,267	89,157	2,26,031	4,93,509	8,97,279	11,42,937	11,84,976
Total number of Members of Primary Societies	1,01,910	5,48,253	11,28,961	21,54,607	30,88,811	43,05,262	42,94,339

TABLE NO 4
Number of Members by Provinces and States for 1931-32 only

Province	Population (Millions)	Central (Including Provincial and Central Banks and Banking Unions)	Supervising and Guaranteeing Unions (Including Re Insurance Societies)	Agricultural (Including Cattle Insurance Societies)	Non-Agricultural (Including other Insurance Societies)	Total Number of Members of primary Societies	Number of Members of primary Societies per 1,000 Inhabitants
1	2	3	4	5	6	7	8
Madras	16.7	16,688	11,009	6,75,440	2,63,009	9,30,038	20.1
Bombay	21.9	11,136	3,014	3,22,060	2,15,201	5,68,173	25.9
Bengal	50.1	35,150	200	5,20,139	2,12,011	7,71,450	15.1
Bihar and Orissa	37.7	12,145	10,130	2,34,128	27,460	2,61,888	6.9
United Provinces	48.4	10,791	106	1,17,176	29,932	1,47,108	3.0
Punjab	23.6	35,375		5,70,132	1,10,151	6,80,486	28.8
Burma	13.1	1,713	2,192	46,841	30,382	77,720	5.9
Central Provinces and Berar	15.5	50,503	7,111	57,396	18,060	75,456	1.9
Assam	8.6	1,888		51,681	11,850	69,564	8.1
North-West Frontier Province	2.4	177		8,093	1,423	9,516	4.0
Coorg	0.2	315	211	11,598	2,975	14,563	72.8
Ajmer-Merwar	0.6	1,621	122	12,319	6,132	18,671	31.1
Hyderabad Administered Area	0.1				7,552	7,552	75.5
Delhi	0.6	485		5,240	2,941	8,103	13.7
Total (British India)	269.5	1,77,513	34,089	26,15,966	10,03,418	36,19,384	13.5
Mysore	6.6	3,168		71,790	67,737	1,39,527	21.1
Baroda	2.1	1,320	34	25,323	12,909	38,232	15.9
Hyderabad	14.4	4,162		12,128	16,585	58,713	1.1
Bhopal	0.7	2,485	158	20,316	162	20,778	29.7
Gwalior	3.5	7,463		70,405	011	71,049	20.3
Indore	1.3	1,876		9,483	7,550	15,042	11.6
Kashmir	3.6	3,118		17,336	6,032	54,268	15.1
Trivancore	5.1	2,874	1,633	1,61,026	57,709	2,22,331	13.6
Cochin	1.2	140		12,010	12,082	24,992	20.8
Total (Indian States)	38.8	27,206	1,829	4,63,117	1,81,538	6,44,955	16.6
Grand Total	308.3	2,04,719	36,510	31,09,383	11,84,956	42,94,339	13.9

TABLE 5
Working Capital for all India showing the Increase since 1906-07

	1	2	3	4	5	6	7	8
		Average for 4 years from 1906-07 to 1909-10	Average for 5 years from 1910-11 to 1914-15	Average for 5 years from 1915-16 to 1919-20	Average for 5 years from 1920-21 to 1924-25	Average for 5 years from 1925-26 to 1929-30	1930-31	1931-32
Share Capital paid up		R ² (1,000) 13,19	R ² (1,000) 98,87	R ² (1,000) 2,51,97	R ² (1,000) 5,23,00	R ² (1,000) 9,94,17	R ² (1,000) 12,40,81	R ² (1,000) 12,05,00
Loans and deposits held at the end of the year from members		14,12	88,23	90,35	2,74,45	5,03,42	6,77,93	6,83,12
Loans and deposits held at the end of the year from Societies		13,59	1,93,42	47,81	1,40,98	2,92,88	3,20,24	3,70,98
Loans and deposits held at the end of the year from Provincial or Central Banks				5,07,19	12,20,88	21,02,43	20,20,50	27,08,00
Loans and deposits held at the end of the year from Government		5,80	10,87	25,54	67,00	1,03,34	1,74,81	1,08,72
Loans and deposits held at the end of the year from non members and other sources		19,69	1,41,98	4,70,25	10,00,22	23,53,08	28,15,70	27,35,57
Reserve and other Funds		1,07	25,00	1,23,92	4,12,78	7,77,21	10,72,12	11,43,51
Total		68,12	5,48,42	15,18,47	40,33,20	74,83,11	91,01,22	92,09,15

TABLE NO. 6.
Working Capital by Province and States for 1931-32 only

Province	Population	Share Capital Paid up	Totals and Deposits held at the end of the Year from					Reserve and other funds	Total	Number of Annas per head of Population
			Members	Societies	Provincial or Central Banks	Government	Non-Members and other sources			
1	2	3	4	5	6	7	8	9	10	11
	Millions	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)	Annas
Madras	16.7	1,10,36	89,13	94,07	9,58,31	11,50	5,17,51	1,10,28	17,91,74	58
Bombay	21.0	1,80,52	2,00,09	72,08	2,90,84	50,31	1,28,00	1,11,71	14,12,11	105
Bengal	50.1	2,00,12	98,07	25,35	5,10,51	70	5,75,10	1,92,17	10,17,95	92
Bihar and Orissa	97.7	67,75	17,27	1,05	2,13,70	60	2,01,65	58,92	5,80,00	26
United Provinces	19.1	58,06	4,01	9,23	52,80	18	51,30	1,20	2,22,10	7
Punjab	23.0	1,48,22	81,70	71,40	6,31,31	11,73	5,80,59	2,80,97	18,13,01	125
Burma	13.1	81,51	10,00	8,27	14,00	9,33	20,32	71,18	2,51,02	31
Central Provinces and Berar	15.5	31,15	5,35	31,51	2,10,18	1,70,72	1,70,72	70,11	5,31,55	65
Assam	8.0	8,10	0,00	1,71	20,11	05	29,02	11,00	81,70	15
North West Frontier Province	2.1	2,00	72	13	5,62	105	1,05	67	11,28	10
Coorg	0.2	2,80	39	10	2,13	11	2,70	2,74	11,12	91
Almorah	0.0	6,80	1,21	1,50	10,11	11	11,00	9,81	17,55	127
Hyderabad	0.1	2,16	1,13	25	10,11	12	11,00	34	7,00	112
Delhi	0.0	2,71	1,10	21	0,55	12	10,90	2,50	21,11	65
Total (British India)	200.5	10,77,08	6,12,11	1,22,17	26,08,71	1,10,50	26,50,00	10,00,00	83,80,08	50
Mysore	9.0	10,70	10,03	7,21	28,59	3,00	51,00	25,80	2,01,78	10
Batoda	2.1	0,37	11,12	9,10	14,71	6,11	25,00	10,17	70,73	51
Hyderabad	11.1	17,13	5,22	2,10	70,01	3,30	57,15	28,82	2,21,10	25
Goa	0.7	1,30	1,11	1,11	8,90	1,81	10,52	9,20	21,72	57
Gwalior	3.5	16,13	1,00	0,80	15,00	1,07	10,52	2,501	9,112	43
Indore	1.4	1,80	5,81	70	1,82	2,95	10,23	1,9,82	58,05	71
Kanpur	9.0	25,00	1,15	1,01	11,82	1,90	17,97	19,89	101,81	15
Travancore	5.1	31,05	0,78	1,01	10,22	15	15,00	7,75	77,38	21
Cochin	1.1	9,21	1,10	1,02	3,71	20	0,18	3,19	22,20	30
Total (Indian States)	14.8	1,80,02	70,81	28,51	1,80,91	68,10	2,01,89	1,12,45	8,80,07	30
Grand Total	204.3	12,56,00	6,81,1	3,50,08	27,89,65	1,08,72	28,58,57	11,13,51	92,40,15	18

Societies : Literary, Scientific and Social.

AGRICULTURAL AND HORTICULTURAL SOCIETY OF INDIA (Calcutta)—Founded 1820
A Class Annual subscription Rs 32 Entrance fee Rs 8 B Class Annual subscription Rs 12 *Secretary* S Percy-Lancaster, F.R.S., F.R.H.S., M.R.A.S. *Office Superintendent* R C Christian, 1, Alipore Road, Alipore

AGRI-HORTICULTURAL SOCIETY OF BURMA—*Superintendent* T P Joyce Agri Horticultural Gardens, Kandawglay, Rangoon

AGRI-HORTICULTURAL SOCIETY OF MADRAS—Established 1835 Quarterly subscription for members in Class A Rs 7, in Class B Rs 3
President H E The Governor of Madras, *Chairman* C R Watkins, C.I.E., I.C.S., *Hon Secretary* Mr B S Nirodi, M.Sc., *Hon Treasurer* Mr H A Buller, Teynampet, S W Madras

ANGLO-INDIAN LEAGUE—Established 1909, for the protection of the interests of Anglo-Indians
Subscription Rs 5 a year *President* Dr H W B Moreno, Ph.D. *Secretary* V Bastien, St Thomas' Mansion, 251, Elliott Road, Calcutta

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BENARES MATHEMATICAL SOCIETY—Founded in 1918 for the encouragement and promotion of research in the various branches of Pure and Applied Mathematics, and in the History of Mathematics. It conducts a journal "The Proceedings of the Benares Mathematical Society" in which original papers on Mathematics are published and maintains a library. There are about 60 members from all parts of India Admission fee Rs 10 Annual subscription Rs 12 (resident members) and Rs 5 (non-resident members) *Life President* Dr Ganesh Prasad, M.A. (Cantab.), D.Sc., *Secretary* Prof Chandi Prasad, M.A., B.Sc., *Treasurer* Prof Pashupati Prasad, M.A., B.Sc.

BHANDARKAR ORIENTAL RESEARCH INSTITUTE, POONA—The Institute was inaugurated on the 6th of July 1917, the 80th birthday of late Sir R. G. Bhandarkar, at the hands of H. E. Lord Willingdon who became its first President. Its objects are to publish critical editions of texts and original works bearing on Oriental Antiquities, to provide an up to date Oriental Library, to train students in the methods of research and to act as an information bureau on all points connected with Oriental Studies. The valuable library of the late Dr Sir R. G. Bhandarkar, which he

had bequeathed already to the Institute, was after his demise handed over by his executors to the Institute, and is now located in the Central Hall of the Institute. Since the 1st of April 1918 the Government of Bombay have transferred to the custody of the Institute the unique collection of nearly 20,000 manuscripts formerly in charge of the Deccan College, together with a maintenance grant of Rs 3,000 a year. Government have likewise entrusted to the Institute a grant of Rs 12,000 a year for the publication of the B. S. S. and the Government Oriental Series. The Institute has undertaken to edit *Mahabharata* critically (*Editor in-Chief* Dr V. S. Sukthankar), at the request of the Chief of Aundh who has promised a total grant of Rs one lakh for that purpose. Grants are being received from the Government of India (Rs 4,000 a year), the University of Bombay (Rs 3,000 a year) and the Government of Bombay (Rs 6,000 a year), Burma, Baroda and Mysore as well as several Southern Mahratta States. The Institute has a Journal called "Annals of the Bhandarkar Institute" published four times a year. It also held under its auspices the first Oriental Conference on the 5th, 6th and 7th of November 1919 under the patronage of H. E. Sir George Lloyd and the presidency of Sir R. G. Bhandarkar. Thanks to liberal donations from the Tatas and the Jain community, supplemented by Grants-in-Aid from the Government of Bombay, the Institute is housed in a fine building near the hills behind the Home of the Servants of India Society. Since August 1927 the Institute has been conducting regular M.A. classes in Sanskrit, Pali, Ardhamaṃgadh and Ancient Indian Culture, where at present over 30 students are attending. Membership dues Rs 10 a year or Rs 100 compounded for life. Members can, subject to certain conditions, borrow books from the library and get the "Annals" free and other publications (a list covering about 100 titles sent free upon request) at concession rates. *Secretary* Dr V. S. Sukthankar, M.A., Ph.D.

BHARATA ITIHASA SANSHODHAKA MANDALA, POONA—Founded in 1910, generally to encourage and foster critical study of, and research in, Indian History and especially to collect and conserve historical documents, etc., relating to the same. The Mandala is entirely supported by public subscriptions and holds fortnightly meetings and annual conferences for historical discussions which are usually published in its quarterly Journal. Recently the Mandala has received by will a gift of thirty thousand dollars for a new house, Marathi Manuscripts. Dr J. E. Abbott, of New York has a library of its own museum of historical and a unique collection of all pens and school

publishing its Quarterly, edits and publishes original documents and monographs on historical subject, both in the *Succya*, i.e., "Own" and *Purashrita*, i.e., "Recommended" series. Membership dues from Rs 3 to Rs 300 annually, with varying rights and privileges which may be compounded for life. Members, subject to certain conditions, can borrow books and get the Quarterly free and other *Mindali* publications at concession rates. *President* C V Vaidya, M.A., LL.B., *Secretaries* D V Potdar, B.A. and Shri Sardar G N Mijumdar, M.L.A., *Treasurer* A V Patwardhan, B.A. *Address* 312 13, Sadashiv Peth, Poona City.

BOMBAY ART SOCIETY—Founded 1888, to promote and encourage Art by exhibitions of Pictures and Applied Arts, and to assist in the establishment and maintenance of a permanent gallery for pictures and other works of Art. Annual exhibition usually held every January. Annual subscription Rs 10. Life member Rs 100. *Hon Secretary* V V Oak, Bar-at-Law. *Office Secretariat*, Ground Floor, Bombay.

BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY—Founded 1804, to investigate and encourage Oriental Arts, Sciences and Literature. Annual subscription Rs 60. *Secretary* J S Tilley, Town Hall, Bombay.

BOMBAY MEDICAL UNION—Founded 1883 to promote friendly intercourse and exchange of views and experiences between its members and to maintain the interest and status of the medical profession in Bombay and the Presidency. The Entrance Fee for Resident members Rs 5, monthly subscription Rs 2, Absent members Re 1, and non resident members yearly subscription Rs 5. *President* Dr Abraham S Erulkar. *Vice Presidents* Dr S B Gadgil and Dr K J J Cursetji. *Hon Treasurer* Dr R D P Mody. *Hon Librarians* Dr V B Desai and Dr K S Bhurucha. *Hon Secretaries* Dr Sorab J Popat and Dr M B Thakore. *Blivatsky Lodge Building, French Bridge, Chowpatty, Bombay*.

BOMBAY NATURAL HISTORY SOCIETY (Registered under Act XXI of 1860)—Founded 1883 to promote the study of Natural History in all its branches. The Society has a membership of about 1,400 all over the world and a museum with a representative collection of the different vertebrates and invertebrates found in the Indian Empire and Ceylon. In 1921 the Society was entrusted with the management of the Natural History Section of the Prince of Wales Museum, and a great part of the Society's collections have been transferred to that Museum. A Journal is published at varying times during the year which contains articles on natural history and sport as well as descriptions of new species and local lists of different orders. The Society's library is open to members and books may be borrowed under special arrangement by members residing in the mofussil. The Society's

Taxidermist Department undertakes the curing and mounting of trophies for members. Annual subscription Rs 25. Entrance fee Rs 10. *Patrons* H E The Viceroy of India, H R H the Prince of Wales. *Vice Patrons* H H The Maharao of Cutch, GCSI, GCIE, H H The Maharaja of Jodhpur, KCSI, KCIO, H H The Maharaja of Rewar, KCSI, H H the Maharaja of Bhavnagar and Mr F V Evans, Liverpool, Sir David Liza, Kt., A S Verna, Esq., London. *President* H E The Rt Hon Major General Sir Frederick Sykes, GCI, GBL, KCB. *Vice Presidents* Mr R D Bell, CIL, IOS, H H The Maharao of Cutch, GCSI, GCIE, Rev E Blatter, SJ, PhD, ILS. *Honorary Secretaries* Sir Reginald Spence, Kt, FRS, MLC and Mr P M D Sanderson, FRS. *Curator* S H Prater, CWS, MLC. *Asst Curators* C McCunn, V S La Personne. *Head Clerk* Mr A T Fernandes. *Offices* 6, Apollo Street, Bombay.

BOMBAY SANITARY ASSOCIATION—Founded to create an educated public opinion with regard to sanitary matters in general, (b) to diffuse the knowledge of sanitation and hygiene generally, and of the prevention of the spread of disease amongst all classes of people by means of lectures, leaflets and practical demonstrations and, if possible, by holding classes and examinations, (c) to promote sanitary science by giving prizes, rewards or medals to those who may by diligent application add to our knowledge in sanitary science by original research or otherwise, (d) to arrange for homely talk or simple practical lectures for mothers and girls in the various localities and different chawls, provided the people in such localities or chawls give facilities. The Sanitary Institute Building in Princess Street, which has lately been built by the Association at a cost of nearly Rs 1,00,000 the foundation stone of which was laid by Lady Willingdon in March, 1914, and opened in March, 1915, is a large and handsome structure with a large Lecture Hall, Library, Museum, etc., and also provides accommodation for King George V Anti-Tuberculosis League Dispensary transferred to the Municipality in 1924 and Museum and the office of the Assistant Health Officer, C and D Wards, and the Vaccination Station. *Hon Secretary* Dr J S Nerurker, B.Sc., L.M. & S., DPH (Cantib), Executive Health Officer, Bombay.

BRITISH AND FOREIGN BIBLE SOCIETY—Since 1811 the British and Foreign Bible Society has been at work in this country. It has 6 Auxiliaries in India and an Agency in Burma. The first Auxiliary was established in Calcutta, in 1811, then followed the Bombay Auxiliary in 1813, the Madras Auxiliary in 1820, the North-India Auxiliary in 1845, the Punjab Auxiliary in 1863, the Bangalore Auxiliary in 1875, while the Burma Agency was founded in 1899. The Bible or some portion of it is now to be had in over 100 different Indian languages and dialects and the circulation throughout India and Burma reached 1,120,422 issues in 1932. The Bibles, Testaments, and Por-

tions in the various vernaculars are sold at rates which the very poorest can pay, and at considerable loss to the Society. Grants of English Scriptures are made to Students who pass University examinations, as under —

The New Testament and Psalms to Matriculates and the Bible to Graduates

Portions of Scriptures in the important vernaculars have been prepared in raised type

The following table shows the growth in the British & Foreign Bible Society's work during the past few years in India and Burma —

TABLE OF CIRCULATION OF THE B F B S IN INDIA

Auxiliaries	1932	1931	1930	1929	1928	1927
Calcutta	250,744	211,040	174,833	204,336	230,496	174,924
Bombay	206,019	185,720	197,193	191,151	197,049	169,593
Madras	254,504	261,549	264,675	272,403	239,852	223,125
Bangalore	25,624	18,007	22,179	36,355	29,251	68,936
North India	203,756	153,403	212,457	193,539	198,898	154,272
Punjab	89,696	90,212	173,020	120,721	162,560	106,628
Burma	90,079	85,973	79,506	79,140	74,898	78,613
Total	1,120,422	1,005,904	1,123,863	1,097,645	1,133,004	976,091

These returns do not include the copies which any Auxiliary has supplied to London or to any other Auxiliaries during the year

General Secretary for India, Ceylon The Rev J S M Hooper, M A, Mayo Road, Nagpur, C P

BRITISH INDIAN PEOPLES' ASSOCIATION —To protect the interests of Domiciled Europeans, Anglo-Indians and Indians alike *President* Raja Rishsee Case Law, C I E *Hon'y Secretary* Dr H W B Moreno, Ph D *Office* St Thomas' Mansion, 25 I, Elliott Road, Calcutta

BRITISH MEDICAL ASSOCIATION (Bombay Branch) —Founded 1886, to promote Medical and the Allied Sciences and the maintenance of the honour and interests of the Medical Profession *Secretary* Dr B B Yodh, Rawal Building, Lamington Road, Bombay

CALCUTTA CHESS SOCIETY —To encourage Chess and Chess contests, open to all *Patrons* J R Capablanca and Sir W E Greaves, Kt, LL D *President* The Hon'ble Mr Justice M N Mukerji, M A, B L, *Vice-President* Dr H W B Moreno, *Hon Secretary* G Dhara, *Hon Treasurer* B B Gosh, 93, Lower Circular Road, Calcutta

CHILDREN'S AID SOCIETY was established in 1927 to help forward the operation of the Bombay Children Act by taking over responsibility for the maintenance of the Umar-khadi Children's Remand Home, for the organisation of inquiry work regarding the cases of boys and girls dealt with by the Juvenile Court, for the upkeep of a Junior Reformatory School for boys under 12, and for the co-ordination of work done by voluntary supervision workers appointed by the Court. The Society is a private

for the use of the Blind and large grants of money are annually given to the different Missions, to enable them to carry on Colportage and Bible Women's work. Besides the British and Foreign Bible Society, there is Bible work carried on in India, and Burma in a much smaller way by the Bible Translation Society—which is connected with the Baptist Missionary Society—the National Bible Society of Scotland, the American Bible Society and the Tranquebar Tamil Bible Society

charitable organisation with a grant-in-aid from Government. Its work lies amongst destitute children hailing from all parts of India, juvenile offenders less than 16 years of age and children offended against by adult persons. *President* H E The Rt Hon Sir Frederick Sykes, P C, *Vice President* The Hon Mr R D Bell, C I I, I C S *Chairman* Mr C P Bramble, *Actg Hon Treasurer* Mr Meyer Nissim, *Secretary* Miss M K Davis

EUROPEAN ASSOCIATION —The European Association was established in 1883 under the title of the European and Anglo-Indian Defence Association and was re-established in 1912 under the title of the European Defence Association, but the present title was adopted in 1913. The Association has for its major object the organisation of European influence in the political life of India. The Head Offices (Central Administration) are at 17, Stephen Court, Park Street, Calcutta. *President* Lt-Col C S Steele-Perkins, *Vice-President* Sir Hugh Cocke, *General Secretary* Mr C H Witherington, *Assistant General Secretary* Mr H L Walker, *Hon General Treasurer* Mr G B Morton. *Publication* "The Review of India" obtainable from the *General Secretary*

BRANCHES OF THE EUROPEAN ASSOCIATION

ASSAM —*Chairman*, Lt-Col F J Palmer

BENGAL, EASTERN —*Chairman*, Mr N K Todd, *Secretary*, Mr H Macaulay

BANGAL, WESTERN—*Chairman*, Mr D M Archibald, *Secretary*, Mr W A Cartain

BIHAR, NORTH—*Chairman*, Major A J Harman, D.S.O., M.C., *Secretary*, Mr W H Mexrick, M.L.C.

BOMBAY—*Chairman*, Mr I Sinclair Kennedy, *Secretary*, Mr J D Doyle

CALCUTTA—*Chairman and Secretary*, Mr H J Clarke

CALCUTTA—*Actg Chairman*, Mr H Carey Moigan, *Secretary*, Mr H I Walker

CHITTAGONG—*Chairman*, Mr L J W Nolan, *Secretary*, Mr W H Pringle, 1st

DARJILING—*Chairman and Secretary*, Mr Dr D A I Argutharson

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KANKINABAH—*Chairman*, Mr I D Paterson, *Secretary*, Mr T R Hobb

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SIND—*Chairman*, Mr L C Buss, *Secretary*, Mr M R Carter

SMYTH—*Chairman*, Mr D Julloch, *Secretary*, Mr V F Tebbutt

TRICHINOPOLY—*Chairman*, Mr Pichard Martin, *Secretary*, Mr I P Jackson

UNITED PROVINCS—*Chairman*, Mr F Gavin Jones, *Secretary*, Mr K J D Price

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE (Calcutta)—*Honorary Secretary*, Prof Dr K S Krishnan, D.Sc. 210, Bow Bazar Street, Calcutta

INDIAN CHEMICAL SOCIETY—Was founded in 1924 with Sir P C Ray as *President*, located in the University College of Science buildings, 92, Upper Circular Road, Calcutta. *Prof Dr N R Dhar*, *President*, *Sir P C Ray*, *Dr Gilbert T Fowler*, *Prof Dr B K Singh*, *Prof Dr J N Mukerji*, *Prof Dr H F Watson*, *Prof Dr S S Bhattacharya*, and *Prof Dr H K Sen*, *Vice Presidents*. *Mr P Ray*, *Hon Secretary*, *Prof Dr P Neogi*, *Hon Treasurer*, *Prof Dr I C Ghosh* and *Prof Dr A C Sircar*, *Hon Editors*. *Dr Mita Prasad*, *Prof Dr H L Dunnichiff*, *Prof Dr B B Dey*, *Prof Dr J N Ray*, *Prof Dr K H Hassan*, *Dr U N Brahmachari*, *Dr H L Roy*, *Rev Father I Van Neste*, *Rao Bahadur M R Ramaswami Sivan*, *Dr J K Choudhury*, *Dr S Dutt*, *Prof Dr Sudharmoy Ghosh*, *Prof Dr P C Guha*, *Prof Dr R F Hunter*, *Dr A N Kappanna*, *Mr P S MacMohan*, *Prof Dr A R Normand*, *Prof Dr B Sinha Rao*, *Prof Dr R C Ray*, and *Dr P B Sarkar*, *Members of the Council*. *Mr G Banerjee*, *Asst Secretary*, *Dr S Choudhury*, and *Mr D Chakravarti*, *Asst Editors*

Bombay Branch—*Dr Mata Prasad*, *President*, *Mr R C Shah* and *Mr S M Mehta*, *Joint Secretaries*

Lahore Branch—*Prof N A Vajdak*, *President*, *Mr M Singh*, *Secretary*

Madras Branch—*Mr H I Watson*, *President*, *Dr A S Mannandy Nair*, *Dr K I Mondgill* and *Rao Bahadur B V Vamath*, *Hon Secretary*

The Society publishes a monthly Journal dealing with original researches in Chemistry in India. Subscription to Fellows Rs 15, Non Fellows Rs 16. Fellowship is open to graduates of Chemistry and to those who are interested with the progress of Chemistry. Particulars and Election form can be had from the *Hon Secretary*, Indian Chemical Society, P O Box 10557, 92 Upper Circular Road, Calcutta

INDIAN INSTITUTE OF POLITICAL AND SOCIAL SCIENCE—Founded on 10th March 1917 to promote a systematic study of political and social science in general and Indian political and social problems in particular in all their aspects taking the terms 'political' and 'social' in their widest sense, to organize free and well informed discussions on current political and social topics as well as on abstract political and social questions, to formulate considered views on current political and social questions to publish literature and make representations from time to time on questions arising or necessary to be raised in the interest of the public, and to form and maintain a library for the promotion of the above objects. *Office*, Servants of India Society, Sandhurst Road Girgaum, Bombay. *President*, M A Jinnah, *Bar at-Law*, *Vice Presidents*, Mr Jannardas M Mehta, *Bar at-Law*, M.A., Mr Bhulabhai J Desai, M.A. LL.B., *Advocate*, *Hon Secretaries*, Mr S G Warty, M.A., and Mr Manji Govindji, *Treasurer*, Mr V R Bhende

INDIAN LEAGUE OF NATIONS UNION—(Central Committee)—His Highness the Maharaja of Bikaner, (*President*), Mr U N Sen (*Hon Secretary and Treasurer*), the Hon Sir George Schuster, K.C.B., The Hon Sir B N Mitra, K.C.S.I., Sir John Thompson, K.C.I.D., Sir Trancelott Graham, K.C.I.F., Mr T D Birla, Mr C K Roy C.I., Miss Norah Hill, and Mr P Mukherji, *Hon Secretary*, Mr U N Sen, 4, Underhill Lane, Civil Lines, Delhi

INDIAN LEAGUE OF NATIONS UNION—*President* H H the Maharaja of Bikaner, *Hon Secretary*, Mr U N Sen, 4 Underhill Lane, Civil Lines Delhi, or Associated Press of India, Hotel Cecil, Simla

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LUCKNOW—*Hon Secretary*, Dr V S Ram, Lucknow University, Lucknow

BOMBAY—*Hon Secretary*, Mr M V Venkateswaran, League of Nations Union, Bombay 1

INDIAN MATHEMATICAL SOCIETY—Founded in 1907 for the advancement of Mathematical studies in India. It conducts a bi-monthly journal in which papers on mathematical subjects are published and maintains a library with current mathematical periodicals in all languages and new books on the subject. The library is located in the Fergusson College, Poona, whence the journals and books are circulated to members by post. The journal of the Society is published in Madras. There are about 385 members from all parts of India. *President* Rao Bahadur P. V. Seshu Aiyar, I.E.S. (Retd.), Perumbar Palghat. *Secretaries* Dr R. Vaidyanathaswami, M.A., D.Sc., University, Madras, and Prof. S. B. Bekerar, M.A., Professor of Mathematics, College of Science, Nagpur. *Librarian* Prof. V. B. Nair, M.A., Professor of Mathematics, Fergusson College, Poona.

INDIAN ROADS AND TRANSPORT DEVELOPMENT ASSOCIATION LTD.—The Association was formed in 1926 and registered in October 1927, having a Council with Headquarters in Bombay and Branches at Calcutta, Bombay, Madras, Karachi, Assam, Lahore and Rangoon, each with a Local Committee.

The subscription for membership of the Association are —

	Per annum
	Rs
Associate Members	5
Ordinary Members	10
Supporting Members	300

The aims and objects of the Association are to promote the cause of Road and Motor Transport Development throughout India by making representations to the Government of India, Governments of Provinces, District Boards and other public bodies concerned regarding the construction, improvement and maintenance of roads and bridges and methods of transport, to make representations to all or any of the bodies regarding the adjustment of taxation, customs duties and excise affecting motor vehicles and other modes of transport and employment of same in such a manner as to facilitate the development of motor transport throughout India, to educate the public by means of propaganda work and to create authoritative public opinion with regard to the needs of and advantages to be derived from improved road communication and use of motor transport.

All persons, associations, firms or companies interested in Road and Motor Transport Development and their problems are eligible for election as members.

The present constitution of the Council of the Association is —

President The Hon'ble Mr E. Miller, J.P., *Vice President* H. E. Ormerod, Esq., J.P. *Members of Council* J. C. Reed, Esq., Major-General Sir Reginald Ford, K.C.M.G., C.B., D.S.O., S. Guevrek, Esq., Sir Ness Wadia, K.B.I., C.I.L., J.P., R. J. Watson, Esq., Sir Hugh G. Cooke, A.C.A., J.P., J. Humphrey, Esq., O.B.E., M.I.C., Nur Mohamed M. Chuno, Esq., J.P., H. S. Sayer, Esq., T. R. S.

Kynnersley, Esq., R. D. Fraser, Esq. and H. LeRoy, Esq. *General Secretary* Lieut.-Colonel H. C. Smith, O.B.E., M.C.

Branches are already in existence in Bombay, Calcutta, Madras, Karachi, Assam, Lahore, and Rangoon and others will be formed as and when occasion demands. The application for membership should be made to the General Secretary of the Association at 41, Nicol Road, Ballard Estate, Bombay, or to the Secretaries of the Branches —

Bombay—P. O. Box No. 833

Karachi—P. O. Box No. 168

Lahore—P. O. Box No. 165

Calcutta—P. O. Box No. 2285

Madras—P. O. Box No. 1270

Rangoon—P. O. Box No. 333

Assam—P. O. Mohanaghat

INDIAN SOCIETY OF ORIENTAL ART (Calcutta)—*President* Sir Rajendra Nath Mukerjee, Kt., K.C.I.E., K.C.V.O., *Vice Presidents* The Hon'ble Raja Sir Monomohar Nath Roy Chowdhury of Santosh, Kt., Mr J. N. Basu, M.A., M.L.O., and Mr G. N. Tagore, *Joint Hon'ry Secretaries* Mr P. N. Tagore and Mr N. N. Tagore, *Hon'ry Treasurer* Rai F. L. De, Bahadur, *Asst. Secretary* Mr P. K. Chatterjee. Office 11, Samratyur Mansions, 1st Floor, Calcutta.

INDIA SUNDAY SCHOOL UNION—The India Sunday School Union is an interdenominational organisation having for its object the strengthening of religious and moral education in the Christian schools throughout the Indian Empire. It has six full time workers both Indian and European. It was founded in Allahabad in 1876. Its General Committee is composed of representatives from the National Christian Council, from the Provincial Representative Councils and from local Sunday School Unions which are Auxiliaries of the I.S.S.U.

The headquarters of the Union are at Coonoor on the Nilgiri Hills, where besides the office and well stocked book shop, there is the St. Andrew Teacher Training Institution. In this institution Summer Schools are held where a short but intensive course of study and training is offered to leaders in religious education from all parts of India.

Besides the activities at headquarters, the Union offers courses of lectures in any part of the country, delivered by members of its staff. A Quarterly Journal is published in English, and Lesson Notes for teachers in English and several vernaculars. Text books on subjects connected with the work of Bible teaching are also published in various languages, and Scripture examinations are organised.

The officers of the Union are as follows —

President Rev. A. Ralla Ram, B.A., Allahabad. *Treasurers* W. H. Warren, Madras, and J. G. Fritsch, Coonoor, *General Secretary* E. A. Annett, Coonoor, *Assistant Secretary* Rev. N. Franklin, Madras.

The most recent statistics show that there are in India 18,322 Sunday Schools with 30,428 teachers, and 707,204 scholars.

INSTITUTION OF ENGINEERS (INDIA)—The organisation of the Institution began in 1919 and it was inaugurated by H. L. Lord Chelmsford early in 1921. Its object is to promote and advance the science practice and business of engineering in India on the same lines as are adopted by the Institutions of Civil, Mechanical and Electrical Engineers in the United Kingdom. The standard of qualification is the same. Membership is divided into four classes, viz., Members, Associate Members, Companions and Associates, and there is an additional class for students. *President* Dr A. J. B. S. M. S. (Ind), *Offg Secretary* S. K. Banerjee. *Offices* 21111, Lower Circular Road, 10 Box No 660, Calcutta.

MADRAS FINE ARTS SOCIETY—*Patron* H. L. The Governor of Madras. *President* The Lady Beatrice Stanley, *Vice President* K. Kay, Esq., *Hon Secretary* S. H. Slater, Esq., C.M.G., C.I.I., 105, Co Development Secretariat, Fort St George Madras.

MADRAS LITERARY SOCIETY AND AUXILIARY OF THE ROYAL ASIATIC SOCIETY—*Patrons* H. L. Lt Col Rt Hon Sir George Frederick Stanley, C.B., C.I.I., C.M.G. and the Lord Bishop of Madras. *President* The Hon Mr Justice G. H. B. Jackson, M.A., J.C.S., *Hon Secretary* M. R. Raghavanna, Esq., M.A., Barr at Law, and *Librarian* I. S. Phanud. *Address* College Road Nungambakam, Madras.

NATIONAL HORSE BREEDING AND SHOW SOCIETY OF INDIA—Formed in 1923, by Major General Sir Bernard James C.B., C.I.I., M.C.O., who was President from 1923 to 1925. *Objects* To form a national body of public opinion on horse breeding matters, to encourage and promote horse breeding in India to protect and promote the interests of horse breeders and to give them every encouragement, to improve and standardise the various types of horses bred in India, to prepare an Indian stud book, and to promote uniformity in all matters connected with horse shows in India. *Patron in Chief* H. E. The Viceroy, *President* (for 1933-34) Brigadier Sir Clarence K. C. I.E., C.S.I., C.M.G. *Secretary* Major General Sir Bernard James C.B., C.I.I., M.C.O. The Society issues the following publications:—

Horse Breeding An Illustrated Quarterly Journal in English, *Station Register* and Supplement, *Indian Stud Book Record of Country Breed Racing*, *Show Judging Pamphlet*. The Second Volume of the *Indian Stud Book* was published at the end of 1930. The Society holds the Imperial Delhi Horse Show annually in February. *Registered Office*—

NAT. AL INDIAN ASSOCIATION—Founded in 1875. Its objects are—(a) To extend in India, knowledge of India, and interest in the people of that country. (b) To co operate with all efforts made for advancing Education and Social reform in India. (c) To promote friendly intercourse between English people and the people of India. In all the proceedings of the Association the principle of non-interference in religion and avoidance of political controversy is strictly maintained. It has branches in Bombay, Madras, Ahmedabad,

Nagpur and Calcutta. *Hon Secretary*, Miss Beck, 21, Cromwell Road, London Publication, *The Indian Magazine and Review*, (8 numbers a year) which chronicles the doings of the Association in England and in India, and takes note of movements for educational and social progress. It publishes articles about the East to interest Western readers, and articles about the West to interest readers in the East. *Life Members*—Ten Guineas. *Annual Subscriptions* Members one Guinea, County Members, Ten Shillings, Associate Students, Seven shillings and six pence.

PASSINGERS AND TRAFFIC RELIEF ASSOCIATION (Established in 1915) *Head Office*—Albert Building, Hornby Road, 10tr, Bombay. *Objects* (a) To inquire into and ascertain grievances with respect to passengers in India generally. (b) To petition Government, Local bodies, Railway, Steamers and other companies carrying passengers and traffic, to take all proper and necessary steps to obtain redress with regard to the said grievances. (c) To hold periodical meetings and discuss questions relating to grievances. (d) To start a fund to meet expenses for carrying out the objects of the Association. *President*—L. K. Tairsee, *Vice Presidents*—Ichram N. Karanjia, J.P., and Sheth J. Chhannandas Daga, *Hon. Secs*—Khan Bahadur P. L. Ghuman and Gordhandas G. Morarji. *Asst Secretary*—M. M. Rajji.

PHILATLIC SOCIETY OF INDIA—Formed March 1897, Annual subscription Rs 10. *Secretary*, Jno Gollinho, 15, Burrows Street, Bombay.

PHOTOGRAPHIC SOCIETY OF INDIA (Calcutta)—Annual subscription Rs 30 (Town members) and Rs 15 (Mofussil members). Entrance fee Rs 20 and Rs 10. The Society is affiliated to the Royal Photographic Society of Great Britain, London, and holds annual exhibitions, distributes a monthly journal to members, and undertakes developing, printing and enlarging work from its members only. There are excellent work-rooms apparatus and reading room at the Society's Headquarters at 229, Lower Circular Road, Calcutta. *Hon Secretary* A. Hearn, 229, Lower Circular Road, Calcutta.

POONA SEVA SADAN SOCIETY—This Institution was started in 1909 by the late Mrs. Ramabai Ranade, Mr G. K. Devadhar, and a few other ladies and gentlemen in Poona and registered in 1917. It is now working independently though for a few years in the beginning it was conducted as a branch of the Bombay Seva Sadan. Its main object is to make women self-reliant and to train them for missionary work undertaking educational and medical activities for their sisters and brethren, especially the former in backward areas and working on a non sectarian basis. Nominal fees are now being charged for instruction in all classes. There are eight different departments subdivided into 60 classes. Arrangements are made for training Nurses and Midwives and women Sub Assistant Surgeons at the Sassoon Hospitals, Poona, and a hostel is maintained for the former and another for those attending the Sub Assistant

Surgeon's Classes There is a Public Health School affiliated to the Lady Chelmsford League for Maternity and Child Welfare, Delhi, with a hostel. The number in these three hostels is now about 85. Besides, there is a full fledged Training College, named after Bai Motilal Wadia with about 65 students excluding those in the V P Class for being trained as Mistresses for Vernacular schools. This College is probably the only college in India maintained by a non official non Christian missionary body teaching the full course. The results of the Certificate Examinations held in the year 1931-32 under the authority of the local Government Training College for Women were as follows: I year Senior B and II year 7. The total number of certificates granted so far is 350 now. The Practising Schools for little girls attached to the Training College has now eleven classes with 290 students reading up to the Marathi VI Standard, English being taught in the V and VI standard classes. Primary classes for grown up women teaching up to the Marathi V Standard are attended by about 100 women. It is here that poor women are recruited for their training as a teacher, nurse, midwife or doctor. Special classes for teaching English, First Aid, Home Nursing were attended by about 90 students, the Music Classes by 30 students, and the Work room classes for teaching Sewing, Embroidery, Hosiery, Composing, Weaving, etc., by 130 Women. Thus, the total number of pupils is about 990 to day. There are two branches of the Society started at Satara and Baranati which are named after Lady Vithaldas Thackersey, the wife of the greatest helper of the Society so far, the late Sir Vithaldas D Thackersey. Besides there are branches started at Bombay (Dadar and Girgaum), Sholapur, Ahmednagar, Alibag, Nashik, Nagpur, and Gwalior for either educational or medical work or for both. Thus the total number of women and girls including about 150 duplications on the rolls at these various Centres of the Society is over 1,500. There are in Poona five hostels, three of which are located at the headquarters and the other two in the Somwar Peth for Nurses, etc., under training at the Sassoon Hospital. The number of resident students is above 200 in these five hostels. One of the three hostels at the headquarters is intended for women of depressed classes. The number of these women at present is 8. In connection with the medical branch a Committee has been formed in England, which will enable the Society to send fully qualified Nurses there to undergo further training. Two fully qualified Nurses have so far been sent by the Society for their post graduate course in Public Health Nursing at Bedford College for women, London, with the partial help of a scholarship of the League of Red Cross Society, Paris. There is an active Infant Welfare centre and ante natal clinics with the average daily attendance of 50 excluding expectant mothers. The Society has extended its medical activities in Bombay by undertaking, with the help of two charitable Trusts in Bombay, to work out the scheme of Maternity, Infant Welfare, Child Welfare and General Nursing for the women and children of the British Community under the supervision of Mr G K

Devadhar the organiser of the society. This scheme has a Maternity Hospital and Nursing Home, and three Infant Welfare centres. Besides, there are Maternity Hospitals and Nursing Homes at Ahmednagar, Alibag, Nashik, and Sholapur under the management of the society in connection with other organizations. Now Her Excellency the Countess of Irwin, the Countess of Reading, Lady Wilson, Lady Lloyd, Lady Willington, Lady Siddham and Lady Chelmsford are Hon Patronesses. The institution is largely dependent upon public contributions and Government assistance. The annual expenditure of the whole organization now exceeds Rs 250,000. **President** Shrimant Saubhagyaaji H H the Raulsahab of Sangli, **Honorary Organiser and General Secretary** Mr Gopal Krishna Devadhar, M A, O I I, **Local Secretary and Treasurer** Mrs Yaminabai Bhat, **Lady Superintendent and Secretary for Development and Collections** Mrs. Janabai Bhat (Kaiserilind Silver Medal), **Joint Lady Superintendents** Mrs Saralabai Nall, M A, and Miss Dwarakabai Bhat, B A B T, **Hon Secretaries, Nursing and Medical Education Committee** **Joint Hon Secretaries** Dr V C Oakhale, L M A S, Dr N L Ranade, B A, M B B S, and Dr V R Dhamdhare, M B B S.

PRESS-OWNERS' ASSOCIATION, Bombay—Started on 30th April 1919 to promote the interests of the printing and litho presses and allied trades, to bring about harmony and co operation among press owners and proprietors and to take such steps as may be necessary in furtherance of the above objects.

Office—Gowadi, Girgaum, Bombay 4
President—Shet Pandurang Jayjee, I P
Secretary—Mr Manilal C Modi

BANGOR LITERARY SOCIETY—**Patron** H L The Governor of Burma **President** J M Symms Esq, M A, I I S, **Director of Public Instruction** **Lieut President** Dr H B Osborn, **Hon Secretary** Mrs C Percock, 37, York Road.

REFORMATION CLUB INSTITUTE—This Institution was started in 1912-13 by the members of the Ismaili Dhamila (religious) Library in Bombay. Its central office is in Bombay with branches at Ahmedabad, Ahmednagar, Karachi Hyderabad (Sindh), Poona, Warangal, etc. The aims and objects of the society are to elevate and improve the social, economic and spiritual condition of the depressed and poor classes of people and with that intent to found primary schools, associations and such departments and to take all constructive means to achieve the above objects. The Institute has 2 orphanages with 150 inmates, industrial works, domestic industries, sales depots, clubs, libraries, etc. It also issues two Anglo Vernacular papers, *The Ismaili* (a weekly) and *The Nizari* (a monthly). **Hon Secretary**, Mr Hasan Lal, Devrai.

ROYAL SOCIETY OF ARTS, INDIAN SECTION—This Society was founded in London in 1754. Its recently published history by Sir Henry Trueman Wood, late Secretary of the Society, gives the following account of

the Indian Section In 1857 a proposition was made by Mr Hyde Clarke, who wrote to the Council suggesting that "a special section be formed for India, another for Australia, one for English America and so on" It was suggested that the Indian Section should meet once a fortnight for the reading of papers Nothing came of the suggestion until ten years later when Mr Hyde Clarke returned to England, and in 1868 he renewed his proposal, but only proposing the formation of a Committee which should organise conferences on Indian subjects This time the suggestion was taken up more warmly Mr Hyde Clarke himself was placed on the Council, and the Indian Conferences, which soon developed into the Indian Section, were started "The Indian Section thus established became a most important department of the Society It has had great results in India by spreading information as to the directions which the development of Indian manufactures and Indian products could most usefully take, and in England by giving similar information as to the industrial resources and progress of India itself The Section has received great help from the Indian press and it has in return been of service to the Indian press in supplying useful information to it It has been of great value to the Society itself as the means by which many members have been added to its list, so that in fact thanks to a very large extent to the work of the Indian Section and of the allied section for the Dominions and Colonies, a large proportion of the present number of members come from the dependencies of the Empire abroad" *Secretary of the Society* G K Menzies, C.B.I., M.A. *Secretary of the Indian and Dominions and Colonies Sections* W Perry, B.A. I.O.S. (retired) 18, John Street, Adelphi, London, W C 2

SERVANTS OF INDIA SOCIETY—The Servants of India Society, founded by the late Hon Mr G K Gokhale in 1905, is a body of men who are pledged to devote all their lives to the service of the country on such allowances as the Society may be able to give Its objects are to train national missionaries for the service of India and to promote, by all constitutional means the interests of the Indian people Its present strength is 21 Ordinary members, 8 members under training, 2 permanent assistants, 1 Attaché and 1 probationer The Society has its headquarters in Poona with branches at Madras, Bombay, Allahabad and Nagpur and other centres of work at Dohad in Gujarat, Maynour, Coimbatore, Mangalore and Calicut in the Madras Presidency, Lucknow in U P, Lahore in the Punjab and Cuttack in Bihar and Orissa

The Society's work is primarily political but as it believes in all round progress of the Indian people, it has always had equal emphasis on social, economic, educational, labour and depressed class activities and has worked in these fields The political work is done through the legislatures, the non official political organisations, deputations to foreign countries and propaganda The Right Hon V S Srinivasa Sastri was in the old Imperial Legislative

Council and in the new Council of State till 1924 and has to his credit many achievements Pandit Hriday Nath Kunzru was a member of the U P Legislative Council and of the Legislative Assembly He takes special interest in the questions of the Indianisation of Army, public services, education and Indians overseas Mr N M Joshi has been a nominated member of the Assembly since 1921 and has to his credit many a labour legislation Mr N A Dnyid was for three years a member of the C P Council Mr Joshi was a member of Bombay Municipal Corporation and Mr R R Bakhale a member of the Board of the Port of Bombay for a short period Mr Kunzru has been the General Secretary of the National Liberal Federation of India, and Messrs Joshi, S P Andrews, Dube and K P Kaul are Secretaries of its Provincial branches and have all done the work of organising political conferences Messrs Sastri and Kunzru were members of the Liberal Party's deputation to England during the Reforms period of 1919-20 Mr Sastri again toured some of the Dominions in 1921 on behalf of the Government of India to secure legitimate rights for Indians there, attended as India's representative the Assembly of the League of Nations and the Washington Naval Disarmament Conference, went to England in 1923 as a leader of the Kenya Deputation of the Indian Legislature went in 1927 to South Africa as Agent-General of the Government of India under the now famous Cape Town Agreement for eighteen months, and lastly went to Kenya in 1929 on behalf of Government to place the Kenya Indians case before Sir Samuel Wilson His achievements in South Africa are a marvel to the world and brought the White and Indian communities together Mr Kunzru went in 1929 to Kenya to preside over the East African Congress and to England as the spokesman of the Kenya Indians to put their case before the British Government Mr P Kodand Rao was in South Africa with Mr Sastri and in Kenya with Mr Kunzru and has mastered the question of Indians there Mr Joshi was a member of the Nehru Committee which is the author of the now famous Nehru Report on Constitutional Reforms Messrs Sastri and Joshi were members of the Round Table Conference and Mr Joshi of the Consultative Committee and a Delegate to the Joint Select Committee

In the field of social economic and educational work, the Society's activities are equally varied Some of its members are practically the founders of such institutions as the Poona Seva Sadan, Bombay and Madras Social Service Leagues, the U P Seva Samiti, the Bhil Seva Mandal catering for the needs and uplift of the aboriginal tribes in Gujarat The Seva Sadan has been a model institution for the education of women which gives training to over 1,500 girls and women in all useful directions It has many branches in different parts of India carrying on social and educational work The Social Service League has done good co operative, educational and welfare work for the mill workers in Bombay by starting Co operative Societies, adult night and technical schools and conducting welfare centres The Seva Samiti is a unique organization in Upper India

doing service to the pilgrims going to religious places such as Hardwar and Benares and working in times of epidemics. Its Boy Scouts organization is a well-knit body recognised both by the public and Government. Mr Chitambar conducts the Bhaguni Samaj for social educational work among the Gujarati ladies. The Society has been conducting a model Depressed Class Mission in Mangalore and the Devdhar Malabar Reconstruction Trust activities at Calicut. In the Co-operative movement the Society has done the pioneering work in the Bombay and Madras presidencies. During natural calamities such as floods, famines and epidemics, the Society has done relief work in every part of India. By its work in the Moplah rebellion, the Society has become a household name in Malabar. Mr Sastri was for many years a member of the Madras University Senate. Mr Kunzru is a member of the Allahabad and Benares University Senates and Syndicates and Mr Dube, a member of the Lucknow University Court and of the Lucknow District Local Board.

The Society has taken equally prominent part in various labour activities. Messrs Joshi and Bakhale have been General and Assistant Secretaries of the All-India Trade Union Congress since 1925 and are greatly responsible for the shape given to the labour movement and for the organisational work particularly in Bombay. They have been President and General Secretary of the Bombay Textile Labour Union since 1926 and have conducted many Textile strikes. Mr Joshi attended five times the International Labour Conference at Washington and Geneva as Indian Worker's Delegate and the British Commonwealth Labour Conference in 1925. Mr Bakhale went to Europe in 1923 to attend on behalf of Indian Labour, the Geneva International Labour Conference, the British Commonwealth Labour Conference, the International Textile Worker's Congress, the Labour and Socialist International Congress and the British Trades Union Congress. He studied the Trade Union movement in Great Britain, Germany and Russia. Mr Parulekar and a few other members of the Society are doing similar labour work. Messrs Sastri and Joshi were members of the Royal Commission on Indian Labour.

The Society conducts three papers—*The Servant of India*, an English weekly of which Mr P. Kodanda Rao is Editor, the *Dnyan Prakash*, the oldest Marathi daily of which Mr Limaye is the Editor and the *Hutawad*, a bi-weekly. Mr Parulekar conducts the *All-India Trade Union Bulletin*, and Mr A. V. Patwardhan, the *Sanstham Svaraj*, a Marathi weekly for the benefit of the subjects of Indian States. The Society has also published several pamphlets on public questions of the day.

The question of the subjects of the Indian States has also engaged the attention of the Society and some of its members, particularly Messrs A. V. Patwardhan, S. G. Vaze, and A. V. Thakkar are devoting a part of their energies for that work.

Mr G. K. Devadhar, M.A., C.I.E., is the President and Mr H. N. Kunzru, is the Vice-President and Mr P. Kodanda Rao the Secretary. Messrs V. Venkatasubbaiyya, Joshi, Kunzru and David are senior members of the four branches.

The Society is a non-communal, non-sectarian body which does not recognise any caste distinctions.

SEVA SADAN—The Seva Sadan Society was started on the 11th of July 1908 by the late Mr B. M. Malabari and Mr Dayaram Gidumal. It is the pioneer Indian ladies' society for training Indian sisters ministrant and serving (through them) the poor, the sick and the distressed. To spread its Gospel far and wide, the first branch was opened at Poona as early as 1909. The Society has its headquarters in Gamdevi, Bombay. The Society maintains the following departments of work: (1) Home for the Homeless, (2) Ashrams (Training Homes), (3) Marathi Normal Classes with a primary School, (4) Home Education Classes, (5) Industrial Department including a workroom, Sewing, Cutting, Hosiery, Cooking and Pastry and machine and hand Embroidery are among the chief industries taught. Total number of women in the different classes is nearly 300.

Secretary, Miss B. A. Engineer, M.A., LL.B., M.B.E., J.P.

CONSUMPTIVES' HOMES SOCIETY—This Society was started by the late Mr B. M. Malabari and Mr Dayaram Gidumal on the 1st of June 1909. It was registered under Act XXI of 1860. Mr Malabari secured a large grant of land in a Himalayan pine forest in Dharampur (Simla Hills) from H. H. the Maharaja of Patiala, for a Sanatorium for Consumptives. His Highness also gave a donation of Rs. one lakh. In 1911 by special permission the Sanatorium was named "The King Edward VII Sanatorium". The Sanatorium has its special water works known as the Lady Hardinge Water Works, presented by the late Sir Chunubhai Madhavji, Bart., of Ahmedabad. The Sanatorium has a Guest House. The Noshirwanji Guest House for visitors to Dharampur. It has accommodation for 90 patients including the special Punjab Block built from a grant of the Punjab Government and reserved for European patients. Most of the blocks and cottages are built by Parsis. The Sanatorium has its own dairy and is called the Bai Pirojbai R. H. Patuck Dairy. The Recreation Hall is called "The Sir Bhupinder Singh Recreation Hall" after the name of the Maharaja of Patiala. Mr Malabari collected an Endowment Fund of about Rs. 67,000 lodged with the Treasurer Charitable Endowments, under Act VI of 1890. Nearly Rs. 2,87,000 have been spent on laying out the sites, buildings, etc., and the current annual expenditure is about Rs. 56,000. The Senior and Junior Medical Officers are in charge of the Sanatorium. The Office of this Society is situated at the Seva Sadan Buildings, Gamdevi, Bombay. Mr S. P. Wadia is the Hon. Secretary and Dhan Bahadur K. M. Jhaveri is the Hon. Treasurer.

SOCIETY FOR THE PROTECTION OF CHILDREN IN WESTERN INDIA—Office and Homes at King's Circle Matunga.

Founded—To prevent the public and private wrongs of children and the corruption of their morals, to take action for the enforcement of the laws for their protection, and, if necessary,

to suggest new laws or amendments of the existing laws, to provide and maintain an organization for these objects, to promote education, and to do all other lawful things incidental or conducive to the attainment of the foregoing objects. Subscription for annual membership Rs 10 for Life Membership Rs 100. *President*—Sir Tejpalji B. Nariman, Kt.

Honorary Secretaries—Dr. Mrs. D. A. D'Monte, Mrs. R. P. M. and Mrs. Manohar Premchand. *Hon. Treasurer*—Khan Bahadur H. S. Katrak.

WESTPAC INDIAN NATIONAL IMPERIAL ASSOCIATION—(Founded in 1919)—The Association was formed in pursuance of clause (b) of Resolution XI of the First Session of the All India Conference of the Moderate Party, with a view to do sustained work for the political progress and the moral and material welfare of the people to give expression from time to time to the considered opinion of the Party on matter of public interest, and to inform and educate public opinion in this presidency in support of its views, policy and methods.

The objects of the Association are the attainment by constitutional means of full Dominion Status for India at the earliest possible date. For the promotion of the objects the Association shall adopt constitutional methods of agitation and work and shall foster a spirit of broadminded liberalism based on principles of liberty, equality and fraternity among the different classes and communities of the people. For the fulfilment of these objects the Association shall carry on educative, and propagandist work by means of leaflets, pamphlets and other publications, (a) representations to Government, (c) meetings or conferences, lectures and all such methods as may be deemed practicable and expedient to educate public opinion, and (d) for advancing the interests of the Liberal Party by organising and influencing elections to the legislatures, Central and Provincial, to Municipalities and District Local Boards.

The affairs of the Association are conducted by a Council consisting of 16 members who are elected every two years.

President—Sir Churnamal H. Setalvad K.C.I.E., I.L.D. *Vice Presidents*—The Hon. Sir Phiroze C. Sethna, K.T., O.B.I. and Sir Chownjee Jehangir (Ir.) K.C.I.E., *Hon. Secretaries*—Mr. Kazi Kabeeruddin, Mr. J. R. B. Jeyjeebhoy and Mr. A. D. Shroff, *Assistant Secretary*—Mr. V. R. Bhende.

Office—107, Esplanade Road, Fort, Bombay.

WOMEN'S INDIAN ASSOCIATION (PANTHEON GARDENS, EGMORE, MADRAS)—This Association was started in Adyar, Madras, in July 1917, with aims of service.

Aims and Objects—To present to women their responsibilities as daughters of India. To secure for every girl and boy the right of Education through schemes of Compulsory Primary Education, including the teaching of religion. To secure the abolition of child-marriage and to raise the Age of Consent for

married girls to sixteen. To secure for women the vote for Municipal and Legislative Councils on the same terms as it is or may be granted to men. To secure adequate representation of women on Municipalities, Panch and Local Boards, Legislative Councils and Assemblies. To secure for women the right to vote and to be elected for the Council of State. To establish equality of rights and opportunities between men and women. To help women to realise that the future of India lies largely in their hands, for as wives and mothers they have the task of training, guiding and forming the character of the future rulers of India. To band women into groups for the purpose of self-development and education and for the definite service of other.

It has 18 branches and over 4,000 members. Each branch is autonomous and works according to the needs of the locality.

The Association grants help-alps to girls interested in maternity and child-welfare work in the uplift of the depressed class and in other social and welfare activities for the general betterment of Indian society. It has worked successfully for securing franchises for women in India (see pages 9 and 41 of the Simon Report, Vol. II) and compulsory education for girls and has actually helped in the passage of Child Marriage Restraint Act in the Assembly and the Acts for the Suppression of Traffic in Women and Children and the abolition of the Dowry System in the local legislature. Holds regular monthly meetings of women to educate them as to their duties as wives, mothers and citizens. Publishes a monthly magazine titled *Sri Dharma* now edited by Dr. (Mrs.) Mathurashanti Isdell, for carrying out of the above objects. The Association is an All India body. Its largest branch being in Bombay and its branches are spread throughout India and flourishing as far as Kashmir and Lashur. It is found that women everywhere welcome the opportunities given for their self-development and self-expression. The Association is affiliated to all the important progressive women's organizations in India and throughout the world. It was the initiator of the All India Women's Conference and the First All Asian Women's Conference at Lahore. The Madras Sarvasadan and the Madras Children's Aid Society owe their origin to the efforts of this Association.

YOUNG MEN'S CHRISTIAN ASSOCIATION—This Association, which was founded by the late Sir George Williams in 1844, is now a world wide movement, well established in almost every country in both the hemispheres. The aim of the Association is, through its religious, social, educational, and physical work to answer the fourfold—spiritual, social, mental and physical—needs of young men and boys.

The Young Men's Christian Association, though relatively new to India, is spreading rapidly. The 'local' Associations are autonomous and governed by local Boards of Directors. These Associations in Convention elect a National Council which is responsible for the supervision and expansion of all forms of the Association work in India, Burma and Ceylon.

There are now over 60 Associations affiliated to the National Council and many other village Associations with many thousands of members of all races and creeds. The following Associations own one or more buildings which serve as the local headquarters—Allahabad, Alleppey, Bangalore, Bombay, Calcutta, Calicut, Coimbatore, Colombo, Delhi, Galle, Hyderabad, Jubbulpore, Kandy, Karachi, Kunniamkulam, Kottayam, Lahore, Madras, Madurai, Nagpur, Naini Tal, Ootacamund, Poona, Rangoon, Risalpur, Secunderabad, Simla, Trivandrum, Wellington. The others use rented or rent-free buildings.

The work of the National Council and of the local Association is carried on by numerous voluntary workers and Committees, assisted by 85 specially trained full time Secretaries. A feature of the Y M C A in India is the international character of its Secretariat. It is made up of 7 Americans, 2 Canadians, 5 Englishmen, 3 Scotchmen, 1 Swiss, 1 Swedish, 4 Anglo Indians, 1 Dane, 2 Australians, 1 Burman and 58 Indians and Ceylonese.

The classes of people reached by the Indian Y M C A and the lines of service it attempts to do for them may be stated as follows—

Generally—1 Literature—Publication of original works and reprints. Six series: "Heritage of India," "Religious Quest of India," "Religious Life of India," "Builders of Modern India," "Education of India," "Heritage of Ceylon," "Women of India."

2 Lecture Bureau—Many thousands of slides on a wide variety of educational and recreational topics serving a clientele in over 700 centres in India.

3 Physical—Training Physical Directors for schools and colleges, fostering playground movement, Olympics.

Boys—Scouting, Boys' Clubs, Camps, etc.

Students—Hostels and Institutes in most University Centres.

Indian students in Britain—Specially in London, Edinburgh and Glasgow.

"Citizens"—(i.e., English educated Indians, Ceylonese and Burmese) Reading Rooms, Libraries, Lectures, Group Conferences, Study-Circles, handling many subjects of vital interest—social, intellectual and religious.

Soldiers—Institutes and Holiday Homes for British Soldiers in a number of centres including the N W Frontiers.

Anglo Indians—Hostels, Institutes, Employment Bureaux.

Europeans—Hostels, Institutes, Employment Bureaux.

Labourers in Mills—"Welfare" Work.

Rural Communities—"Rural Reconstruction" work embracing Co-operative Banking, Distribution, Cattle Insurance and Arbitration, Cottage Industries, and Adult Education in four Selected Centres.

A monthly magazine, the **YOUNG MAN OF INDIA, BURMA AND CEYLON** is issued at Rs 2-8 0 per annum, including postage.

The work of the National Council (excluding that of the 50 local Y M C As) called for a Budget of Rs 1,25,002 in 1933. Of this sum Rs 28,700 had to be raised from the public in India.

The Headquarters of the National Council is 5, Russell Street, Calcutta. The officers are—

Patron—His Excellency the Earl of Willingdon, GCSI, GCMG, GBE, Viceroy and Governor-General of India.

President of the National Council—The Most Rev. Dr. Loss Westcott, Metropolitan of India.

General Secretary—B. L. Rallia Ram, B.Sc., B.T.

The Bombay Association now possesses four well equipped buildings—Wodehouse Road, Lamington Road, Rebsch Street, and Reynolds Road. The President is The Hon. Mr. Justice K. B. B. and the General Secretary is Mr. H. W. Bryant, M.B.E. In connection with each branch there is a well managed hostel providing accommodation for over 200 young men. These branches are managed by a Committee working under the Board of Directors. Each Branch organisation directs many and varied activities designed to meet the physical, spiritual, social, and mental needs of their members. A Welfare Service agency for labourers started in 1924 is now conducting eight centres, serving mill workers, Municipal mental employees, Port Trust and Railway employees. A programme of education, lectures, physical culture, play and general uplift, profitably fills up the leisure time of the workers and their families. The Association is responsible for the direction of three public playgrounds in the city, which are financed by the Municipality.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION OF INDIA, BURMA AND CEYLON—This Association founded in the year 1875 was organised nationally in 1896.

The aim of the Association is to unite women and girls of India, Burma and Ceylon in fellowship and mutual service for their spiritual, intellectual, social and physical development. The Association exists for Indian, Anglo Indian and European girls and women. There are members in the following Branches: General 41, Student 43, and Girl Guides 12. The needs of girls are met by physical drill, recreation, clubs and classes, lectures, commercial classes, Bible study and devotional meetings, and meetings for social intercourse. Hostels, some of them holding as many as 70 girls, are established where there is a demand for them and the Association, at present, owns 21 including 8 holiday homes in the hills. These hostels accommodate working girls, teachers, nurses, students, and apprentices. Rates vary according to the residents' salaries and accommodation.

tion, though all equally receive the benefits of a comfortable home, good food and wholesome surroundings. The holiday homes provide cheap holidays in healthy surroundings and also accommodate girls who work in the mills during the hot season. In addition to holiday homes Summer Conferences are held annually at Annapur, the Conference estate owned by the Association, in Ootacamund. Special Girls Camps are arranged from time to time in many centres.

Travellers aid work is done in the large ports, especially Colombo, and a large number of transient guests and visitors are accommodated in the Homes in these centres. The Association also runs employment bureaux through the agency of which many girls find positions. The commercial schools train girls for office and business life. These larger Associations are manned by a staff of trained secretaries, some of whom come from Great Britain, America, Australia, New Zealand and Canada. The others are found and trained in India. In many of the smaller branches where the work is of a simpler nature, it is carried on by voluntary

workers who render faithful service year by year. The Student Department is affiliated to the World's Student Christian Federation and has 43 branches in the various Schools and Colleges.

The Association which I alluded to the World's Young Women's Christian Association is International and Interdenominational. Active membership is open to all who declare their faith in our Lord Jesus Christ and desire to serve others in His spirit of love. Associate membership is open to any girl or woman regardless of what her faith may be who wishes to join the world-wide fellowship of the Y. W. C. A. and desire her sympathy with its purpose, and to share in its activities.

The Patroness of the Association is H. J. Lady Willingdon.

Copies of the annual reports and other printed matter can be obtained from the National Office which is at 141 Corporation Street, Calcutta. The official organ of the Association is the leaflet "Evangelist" which is issued each month and sent to members and friends of the Association.

ASSOCIATION OF BRITISH UNIVERSITY WOMEN IN INDIA

The Association of British University Women in India was established in 1913. Its objects are —

(1) To facilitate Intercommunication and co-operation between women belonging to the universities of the United Kingdom, resident in India.

(2) To provide a means of keeping in touch with the universities of the United Kingdom by communication with the British Federation of University Women, and otherwise as may seem expedient.

(3) To act as an organisation which shall afford opportunity for the expression of united opinion and for concerted action by university women.

Membership is open only to those women who hold degrees in any university in the United Kingdom, or hold Oxford or Cambridge Honours Certificates, but Associate Membership is open to women who have studied at a British University for two years and each Branch may admit as Honorary Members women who have advanced the higher education and interests of women.

The Association of British University Women has two branches. The addresses of the Honorary Secretaries are as follows —

Honorary Local Secretaries

Bombay	Mrs A. J. Moore, 31, Pedder Road, Bombay
Punjab	Mrs Skemp, Race Course Road, Lahore

The Delhi and Punjab Branches came into existence in 1918. The Calcutta and Bombay Branches are influential and have repeatedly intervened with good effect to educate public opinion with regard to subjects affecting women. All Branches have, for instance, made investigations on behalf of the Education Department Government of India, the Calcutta University Commission, etc., and have supplied, through the International Federation of University Women, information on Secondary Education in India to the League of Nations. They have been the means of introducing women on to University Senates and Municipalities. The Calcutta Branch carried through an important exhibition of Food Products.

The Bombay Branch has done good work in connection with the formation of the Social Purity Committee and has, through a special sub-committee, organized public meetings for women on subjects affecting their interests about which legislation was being or had been recently enacted.

A valuable part of the work of the Association was the establishment of Women's Employment Bureaux in Calcutta and Bombay. They were remarkably successful. The Bombay Bureau was eventually merged into the employment Bureau established by the Women's Council, the Calcutta Bureau has ceased to exist.

As a means of promoting friendships between women from various parts of the United Kingdom, with widely differing tastes and interests and spheres of life in India, and as an instrument for affording opportunities for usefulness to educated women, the Association of University Women has a useful function to perform.

This Association is federated to the "Federation of University Women in India," and thus forms one of the Units of the Indian Federation.

Federation of University Women in India

This is an organization conceived to unite for service and fellowship all University Women of whatever race or University who may be resident in India. Units representing British Universities, Indian Universities and American Universities severally have existed since 1913 (Britain) and 1920 (India and America) respectively.

These Units are now affiliated to the I. U. W. I. and are as such affiliated to the International Federation of University Women which embraces 31 countries of the world and has its headquarters at Crosby Hall, Cheyne Walk, London.

This International Federation is then a kind of League of Nations in which the University is the Unit and the opportunities it affords for better understanding for world friendship, and world service, will easily be imagined.

As forming one Family, its Members help the common cause of women: they help one another by inspiration and interchange of service; they help the country for which as individual Units they stand, inasmuch as that country is swept forthwith by reason of its place within the International Federation alone, into world statistics and the dignity of recognition by the League of Nations at Geneva.

The benefit to Members individually also is great. The Club Houses of the Federation all over the world are open to them. Equally so are all Scholarships and Fellowships offered by the Federation.

During 1920 these lists have included Scholarships from Great Britain and America which gave free tuition, board and residence at certain Colleges to students for a degree; residential scholarships at Crosby Hall; valuable Fellowships and Prizes offered chiefly for Medical or Scientific research by Australia and America.

A special scholarship was offered in 1920 by Barnard College, Columbia University, to under graduates from India.

Membership is open to Women Graduates of any University through the Unit representing that University. Colonial Graduates are at present attached to the British Unit. The Bombay Presidency Women Graduates' Union offers membership to a graduate of any recognised University in the whole world.

Subscriptions—Each Unit pays contribution at Rs. 15 per head.

The Federation has Branches in Bombay, Lahore, Madras, Kodak and each Branch has its local Committee. But as a whole the Federation is under a Central Committee with Headquarters at Calcutta for the years 1925 and 1926. Headquarters are at Bombay from 1930.

OFFICE BEARERS, CENTRAL COMMITTEE

President Dr. Muthulakshmi Reddi M.B., C.M.

LOCAL REPRESENTATIVES

Bombay	Mrs. Moore
	Miss I. Baptist
Punjab	Mrs. Skemp
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Kodakanal	Mrs. C. McClelland

Honorary General Secretary Mrs. Doctor, Hirji Mansions, Gowalia Tank Road, Bombay 6.

Applications for membership should be made to the Honorary General Secretary who will forward the same to the Local Secretary to whose Unit it may appertain.

Hon. General Secretary Mrs. Gulbani J. R. Doctor, Federation of University Women in India.

ASSOCIATION OF COLUMBIA UNIVERSITY ALUMNI IN INDIA—This is an organization conceived to unite for service and fellowship all Columbia alumni who may be resident in India. It was founded in 1931, and is a constituent member of the Alumni Federation of Columbia University, New York, U.S.A. There are more than fifty such Columbia Associations including one in London, Paris, Madrid and Berlin. The India Association has its Headquarters in Bombay.

President of the Association Dr. Jal Dastur C. Pavry, M.A., Ph.D., 63, Pedder Road, Malabar Hill, Bombay.

Name of Club	I st lished	Club house	Sub-cription			Secretary
			Lat	An nu al	Mon thly	
JHANSI	1887	Next to Public Gar dens, Jhansi	50		12	Captain G. Salt
MADRAS	1831	Mount Road, Madras	250	20	12	T A Thomson
MADRAS COSMOPOLITAN	1873	Mount Road	150	21	5	Rao Paradur Dr A Lakshmanaswami Mudaliar, M D
MALABAR	1864	Beach Road, Calcut	100		12	
MAYMTO	1901		100	12	20	T P Gould
MOOLTAN	1892	Mooltan	50		12	Major T M Mackenzie P A M C
NAINITAL	1864		100	12	10	Col J de Gray O B
OOTACAMUND	1840	Ootacamund, Nilgiri Hill	150	18	12	Capt A Catling
ORIENT		Chowpaty, Bombay	300	72	6	Mr C W E Arbuth not B A B C C I Sir Chumbhoy Fb rahim Puri
PIGU	1871	Prome Road, Rangoon	100	20	12	R O B Perrott
PESHAWAR	1833	Peshawar	50		12	Major L E Mills
PUNJAB	1870	Upper Mall, Lahore	150	15	12	Capt P G Saulez
QUETTA	1870	Quetta	120		20	T M Walker O B R, A M C I C I
RANGOON GYMKHANA	1874	Halpin Rd, Rangoon	75	6	10	R H Hudson M C
RANGOON BOAT CLUB		Royal Lakes, Rangoon	18	12	5	Edward Thomson
RAJPUTANA	1880	Mount Abu	50		8	P I Coupland
ROYAL BOMBAY YACHT CLUB	1880	Apollo Bunder	300	18	12	Lt-Col C Cobb C B R
ROYAL CALCUTTA TURF CLUB	1861	11 Russell Street	500	25		Capt The Hon A Howard, M C
ROYAL WESTERN INDIA GOLF CLUB		Nasik	75	15	12	D C A Kincaid
SATURDAY		7, Wood Street, Calcutta	17	12	12	F A Yearsley
SPOONDEPARAT	1893	Secunderabad (Deccan)	100		12	Capt H S Morris, M C
SHILLONG	1878	Northbrook Road, Shillong	100	12	23	J C Rutter
SIKOT		Slalkot, Punjab	92		21	Capt I H Radwell
SIND	1871	Karachi	200	12	12	Major T C Crocker
TRICHINOPOLY	1869	Cantonment	90	12	12	H C Hodgson
TUTICORIN	1885	Tuticorin	50	6	10	R S Kemp Scriven
UNITED SERVICE CLUB	1866	Simla	100	12	12	A L Mortimer, I R I B A
UNITED SERVICE CLUB, LUCKNOW	1861	Chutter Manzil Palace	100		12	E J Hawkins
UPPER BURMA	1889	Fort Dufferin, Mandalay	50	12	20	A Douglas Marshall
WESTERN INDIA TURF		Bombay and Poona	100	25		C C Gulliland
WILLINGDON SPORTS	1917	Clerk Road, Bombay	500	120		W Botterfill
WHEELER	1863	The Mall, Meerut	50		17	Major R E Webb O B F

ROTARY IN INDIA.

ROTARY CLUBS IN MIDDLE ASIA
REGION

H. W. Bryant, M.B.L. J.P., Honorary
Commissioner, Middle Asia Region, Y.M.C.A.,
Wodehouse Road, Bombay

INDIA

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Amritsar 2nd and 4th Tuesdays of each month,
at 8.30 p.m., from the 15th October to 11th
April at 8 p.m. from the 15th April to 11th
October. The Amritsar Hotel

BOMBAY (1929) *President* S. J. Dochray *Hon*
Vice President — H. W. Bryant, *Hon*
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1.15 p.m. The Central Hotel

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Rustomji, 6 High Court Chambers Every
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borne *Hon Secy* C. P. Wilton, Vacuum
Oil Co., 581, Merchant Street *Hon Secy*
S. I. Sadashan, 644, Merchant Street Every
Tuesday, 1 p.m., Strand Hotel

THAYETMYO (1929) *President* U Than Tin, B.A.,
B.C.S. Deputy Commissioner, Thayetmyo
Hon Secy U Yon, Secretary, District Council,
Thayetmyo Every Saturday at 5 p.m.,
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& Kenny, Colombo *Hon Secy* R. A. Hynes,
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SINGAPORE (1930) *President* W. Allan Hey-
les *Hon Secy* Major T. Lee St. Andrew's
School Every Wednesday at 1 p.m., Adelphi
Hotel

PENANG (1930) *President* Dr. K. Md. Ariff
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G. M. and Address: c/o Health Office Penang
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MALAYA AND STRAITS

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Butler *Hon Secy* Mr. J. D. Gammann, M.C.S.
P.O. Box 203 Kuala Lumpur Every Wed-
nesday at 1 p.m. Hotel Majestic

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Malayan Civil Service *Hon H. Secretaries*
Mr. S. S. Chelvanayagam c/o Chartered Bank
Seremban, I.M.S. and Dr. J. H. Lee
International Dispensary, Litch Road Ser-
emban Closed Meetings 1st Thursday of each
month at 7 p.m. Open Meeting 3rd Thursday
of each month, at 8 p.m., The Rest House,
Seremban

KLANG AND COAST (1929) *President* Goh Hoch
Huat J.P. *Hon Secy* C. J. H. Lowe, Secretary,
Sanitary Board Klang I.M.S. Every Tues-
day at 5 p.m., Chinese Merchants' Club, Klang

JAVA

BANDUNG *President* Ing. D. W. Spruiell
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Rionwstraat 30 Bandung Every Thursday
at 8 p.m. Societiet Concordia

DIJOKARTO *President* Ir. P. A. C. Assel-
bergs Class — Railroad Equipment (Car
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N. J. I. Secretary: J. C. I. (otz van der
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MALANG (1930) *President* Prof. Dr. A. J. Eber
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SUMATRA

MEUDAN (1930) *President* Dr. T. W. Wolff
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and 3rd Monday of the month at 8 p.m., Grand
Hotel, Medan

BUTENZORG

BUTENZORG *President* Dr. P. van Hulstijn
Secretary Dr. T. G. J. A. Mars, van Imhoff-
weg 16, Butenzorg club, Thursday, 7.30 p.m.

The Church.

The Church of England in India became on March 1, 1930, a self-governing branch of the Anglican Communion. Until that date it had been an integral part of the Church of England and its bishops were considered to be suffragans of the Archdiocese of Canterbury. This legal bond was severed by the passing of the Indian Church Act and Measure in 1927, and from the date of severance appointed under the Act, the Church of India, Burma and Ceylon has been free to manage its own affairs, although as it states in the Preamble to its Constitution, it has no intention or desire "to renounce its obligations to the rest of the Holy Catholic Church and its fundamental principles, but on the contrary acknowledges that if it should abandon those fundamental principles it would break spiritual continuity with its past and destroy its spiritual identity."

Like all the other branches of the Anglican communion the Church of India, Burma and Ceylon is Episcopal. It is composed of fourteen sees, Calcutta, Madras, Bombay, Colombo, Lahore, Rangoon, Travancore and Cochin, Chota Nagpur, Lucknow, Tinnevely and Madurai, Nagpur, Dornakal, Assam and Nasik. Of these the first to be erected was Calcutta in 1814 and the last was Nasik in 1930. Vacancies on the Episcopal Bench are filled by election, each diocese electing its own bishop. The Bishops rule the Church and to them is reserved the final word in all matters of faith and order, but they rule in conjunction with a system of Councils which has been framed so as to give the greatest possible amount of representation to the whole body of the faithful. The foundation of the system is the **Parochial Council** of which the Parish Priest is the convenor and chairman. Every baptised, and confirmed member of the Church residing in the parochial area who contributes, in some recognised way, to the financial support of the Church, is a member of the Parochial Council of the ecclesiastical area in which he resides and is called a Qualified Elector.

Above the Parochial Councils come the **Diocesan Councils**. All Priests holding the Bishops' license are members of the Diocesan Council and to it are sent Lay Representatives elected by the Qualified Electors of every Parochial Council. The Diocesan Councils manage all purely domestic matters and have the right of petitioning the General Council about any subject of wider importance which may interest them. They elect a given number of priests and laymen to be their representatives on the General Council. General Councils are held not less than every three years and usually at Calcutta. They consist of three Houses, Bishops, Priests and Laymen. Every Diocesan Bishop has a place in the House of Bishops. The other two Houses are formed by the elected representatives of the Diocesan Councils. The three Houses usually sit and vote together.

but any House has the right to meet alone if it desires to do so in order to formulate its policy or classify its opinions. A "Canon" of the Church is a Resolution passed with additional precautions ensuring due consideration by all three Houses. In all questions touching faith or Order the position of the episcopate as the divinely authorised teacher of the Church is most carefully safeguarded and the Bishops alone, without the concurrence of the other Houses, can issue Determinations about both subjects. But no Determination of the Bishops can be the subject of disciplinary action until it has become a Canon.

Every priest before being licensed to work in the Church of India, Burma and Ceylon takes an oath of obedience to the Canons.

The Ecclesiastical Establishment—At the time of the passing of the Indian Church Act and Measure the Government of India acknowledged that it was responsible for providing for the spiritual needs of the Soldiers and Civilians whom it brought out to India. These responsibilities it discharges by maintaining an establishment of chaplains and churches for the four principal denominations of Christians—Anglican, Presbyterian, Roman Catholic and the Free Churches. The Chaplains of the two first named groups are appointed by the Secretary of State for India, the Anglicans on the recommendation of a Selection Committee of which the Archbishop of Canterbury is the Chairman. They are paid by Government and pensioned after a covenanted period of service. Although they form a definite Department of Government they are not subject to the orders of anyone save their own ecclesiastical superiors. The Presbyterian Chaplains are sometimes appointed to stations and sometimes to regiments. The Anglican chaplains are always chaplains of stations and have the pastoral care of all the inhabitants of the station who do not deliberately withdraw themselves from their ministrations, but when troops are included in the number of their parishioners Government orders that they shall have the first claim on their services. The chaplains and their congregations are members of the Church of India, Burma and Ceylon during their residence in India and have full rights of representation in the Councils of the Church. Their right to the use in worship of the Prayer Book of the Church of England is not only acknowledged in the Constitution of the Church but is also safeguarded by clauses in the Indian Church Act.

Government gives to the Metropolitan an annual block grant which is divided between the seven bishops whom Government recognises as having jurisdiction over the Establishment Chaplains and their congregations. These are the Bishops of Calcutta, Madras, Bombay, Lahore, Lucknow, Rangoon and Nagpur.

Before 1930 they formed part of the Establishment. One of the difficulties which the Church is facing is that the Government Block Grant is not large enough to provide for all the needs of these bishops. In consequence the Church is struggling to raise Diocesan Endowment Funds to make up deficits. More serious still, however, is the situation brought about by the action of Government in 1924, when in pursuance of a general policy of economy necessitated by post war conditions it cut down the number of its chaplains by sixty. This set the dioceses a very difficult task. It became necessary suddenly to provide the salaries of Diocesan Chaplains and to furnish funds for the upkeep of the churches at many civil stations previously maintained by Government. Realising the magnitude of this burden Government agreed to help for a period of seven years by means of a very generous Block Grant. The question of the reduction of this grant is now under consideration. If the grant is considerably reduced the situation in most dioceses will be very serious. Either the Church must raise and devote to its European work a greatly increased sum of money or many of the churches in up country stations will have to be closed. The chief sufferers will be the Anglo Indian and Domiciled community which on account of 'Indirisation' is less able than ever to carry the burden which it seems must inevitably be laid upon it. The difficulty of raising funds for the education of the children of this community and of obtaining priests to work for it becomes greater year by year. Nevertheless the Domiciled Community is the backbone of the Church in India and it is through this community that the conversion of India must come.

The Churches in India have not been wholly blind to these facts and have made desperate attempts to cope with the needs of the community in spite of lack of real support from home. The education of its children is very largely in the hands of the Christian denominations though there are a few institutions such as the La Martiniere Schools, on a non-denominational basis, but they are exceptional. In all the large centres there exist schools of various grades as well as orphanages, for the education of Europeans and Anglo Indians under the control of various Christian bodies. The Roman Catholic Church is honourably distinguished by much activity and financial generosity in this respect. Her schools are to be found throughout the length and breadth of the Indian Empire, and they maintain a high standard of efficiency. The Anglican Church comes next, and the American Methodists have established some excellent schools in the larger hill stations. The Presbyterians are also well represented in this field, particularly by the admirable institution for destitute children at Kalimpong, near Darjeeling. Schools of all denominations receive liberal grants in aid from Government and are regularly inspected by the Education Departments of the various provinces. Thanks to the free operation of the denominational principle and its frank recognition by Government, there is no "religious difficulty" in the schools of the European and Anglo-Indian communities.

Christian Missions

The tradition that St. Thomas, the Apostle, was the first Christian missionary in India is by no means improbable. History, however, carries us no further back than the sixth century, when a community of Christians is known to have existed in Malabar. Since then the so called Syrian Church in south-west India has had a continuous life. Except in its infancy this Church (or rather these Churches or the Syrian Christians are now divided into four communions) has displayed little of the missionary spirit until quite recent times. Western Christianity was first introduced into India by the Portuguese, who established their hierarchy throughout their sphere of influence, Goa being the metropolitical see of the Indies. St. Francis Xavier, a Spaniard by race, took full advantage of the Portuguese power in Western India to carry on his Christian propaganda. His almost super-human zeal was rewarded with much success, but many of the fruits of his labour were lost with the shrinkage of the Portuguese Empire. It is really to the work of the missionaries of the Propaganda in the 17th century that the Papacy owes its large and powerful following in India to-day. The Roman Catholics in India number 1,823,000, of whom 332,000 were added during the decade 1911-1921. The total of 'Syrian' Christians (exclusive of those who while using the Syrian liturgy, are of the Roman obedience) is 315,000, as against 367,000 in 1901. Protestant Christians (the term throughout this article includes Anglicans) number 2,930,000, an increase of 547,000 since 1911. Thus, the total number of Christians of all denominations in India is now close on five millions. In fact it probably exceeds that figure at the present moment, as these statistics are taken from the Census Report of 1911, and the rate of increase during the previous decade was nearly 100,000 per annum.

The Protestant Churches made no serious attempt to evangelise India till 1813. They have thus been at work in the Indian mission field for over 110 years, and the statistical results of their efforts are given above. It is now, however, generally recognized that Christian missions are producing indirect effects in India which lend themselves only incompletely to any sort of tabulation. The main agency of this more diffusive influence of Christianity is the missionary school and college. The Protestant missions fill a considerable part in the elementary education of the country. According to the 1923 Report of the National Christian Council for India they are teaching 420,255 children in 12,699 elementary schools, mostly situated in villages. The majority (243,897) of children in these schools are non-Christians. The same is true also of the secondary schools and in a still greater degree of the colleges. The former number 523 with 70,254 male and 25,303 female pupils. There are 40 colleges affiliated to Universities, containing 20,062 male and 1,309 female students. Of these as many as 14,148 are non-Christians. From the standpoint of missionary policy much importance is attached to these agencies for the indirect propagation of the Christian faith. The

statesman and the publicist are chiefly interested in the excellent moral effect produced by these institutions amongst the educated classes, and the higher educational ideals maintained by their staffs. The principal University colleges under Protestant auspices are the Madras Christian College, the Duff College, Calcutta, the Wilson College, Bombay, the Forman College, Lahore, and three women's colleges—the Women's Christian College at Madras, the Isabella Thoburn College at Lucknow, and the Women's Christian Medical College at Ludhiana. The Roman Catholics have a large number of educational institutions, ranging from small village schools to great colleges preparing students for University degrees. But the proportion of Christian students in their institutions is very much larger than in those of the Protestant bodies. The proportion of literates amongst native Roman Catholics is probably lower than amongst the Protestant converts, but compared with Hindus and Mahomedans it is conspicuously higher. The Roman Catholics have some 3,000 elementary schools in which 98,000 boys and 41,000 girls are receiving instruction. In middle and high schools they have 143,000 boys and 73,000 girls and in University colleges about 5,000 students of both sexes. These figures, however, include a large proportion of Europeans and Eurasians, who are an almost negligible quantity in Protestant mission schools and colleges.

More recent, but producing even more widespread results, is the philanthropic work of Christian missions. Before the great famine of 1878, missionaries confined themselves almost exclusively to evangelistic and educational activity. The famine threw crowds of destitute people and orphan children upon their hands. Orphanages and industrial schools became an urgent necessity. But the philanthropic spirit is never satisfied with one kind of organisation or method. A great stimulus was also given to medical missions. Hospitals and dispensaries have sprung up in all parts of the mission field, and leper asylums are almost a monopoly of Christian missionary effort. In 1911 the total number of medical missionaries working under Protestant societies in India was 118 men and 217 women, the majority of the former being also ordained ministers of religion. There are 184 industrial institutions in which 59 different arts and crafts are taught, ranging from agriculture to type writing. In this department the Salvation Army holds a prominent place, and the confidence of Government in their methods has been shown by their being officially entrusted with the difficult work of winning over certain criminal tribes to a life of industry. The indirect effect of all this philanthropic activity under missionary auspices has been most marked. It has awakened the social conscience of the non-Christian public, and such movements as "The Servants of India" and the mission to the Depressed Classes are merely the outward and visible sign of a great stirring of the philanthropic spirit far beyond the sphere of Christian missionary operations.

Reunion.—For very many years Indian Christians have shown that they felt much

more acutely than Europeans the scandal and disadvantage of the divisions of Christendom. These divisions are due to a very much greater extent than is always recognized to political causes, and in the political conflicts of the sixteenth and seventeenth centuries, when they became crystallised, India had no part. Even those differences amongst Christians which have a purely religious origin and foundation seem to be of very little account to Indian converts. For them the great dividing line is that between Christ and Mahomed or Shiva and Vishnu. Standing before a background of paganism they are conscious of a real fundamental unity in Christ. Compared with the greatness of the gulf which separates Christian from non-Christian, the differences of "confession" and "order" which separate Christian from Christian seem to be wholly artificial and negligible. In consequence the reunion movement, which is noticeable all over the world, is nowhere so strong as in India. In South India it has already resulted in the formation of the South India United Church, which is a group union of five of the principal Protestant communions, and as these bodies are in communion individually with all, or almost all, the other Protestant bodies at work in India the Union may be regarded as a Pan-Protestant Union. The S I U C is at present negotiating with the Anglican Church. If as seems probable the negotiations are successful the result will amount to a union of all the Christian bodies in South India, except the Roman Catholics, on the basis of the last Lambeth encyclical. This will mean that a real National Indian Church will come into being. Although it will be tolerant of almost every expression of Evangelical opinion and will retain the freedom of development characteristic of Protestantism, by its acceptance of the Catholic creeds and the Historic Episcopate, it will be linked up with the Catholic tradition of the Anglican Church.

Anglican Missionary Societies

The Church Missionary Society carries on work in India in seven different missions—the United Provinces, South India, Travancore and Cochin, Bengal, Western India, Punjab and Sind and the Central Provinces and Rajputana. The names are in order of seniority. Work was begun in what are now called the United Provinces in 1813, in Bombay in 1820, in the Punjab in 1851, and in the Central Provinces in 1854. The Society has always kept Evangelistic work well to the fore, but it also has important medical missions, especially on the N-W Frontier, and many schools of the Primary, Middle and High standards. The Church of England Zenana Missionary Society is an offshoot of the C M S controlling the work of 162 missionary ladies. The number of ordained European missionaries of the C M S in India and Ceylon is 160, European laymen 30 and European laywomen 258. The Society claims a Christian community of 2,21,359 of whom 63,655 are adult communicants.

Society for the propagation of the Gospel.—Statistics of the work of this Society are not easily ascertained as much of it is done through Diocesan institutions, which, while financed and in many cases manned by the S P G, are

entirely controlled by the Diocesan authorities. The best known of the S P G missions is that at Delhi, commonly called the Cambridge Mission to Delhi, carrying on educational work at St Stephen's College and School. At the College there are about 200 students under instruction, and at the High School 800. The College hostels accommodate 100 students. Missions to the depressed classes exist in Burma, in the Ahmednagar District and in several parts of South India, especially in the Diocese of Tinnevely. Madurai. The S P G also maintains an important Criminal Tribes Settlement at Hubli, in the Bombay Carnatic. There are 110,000 Indian Christians under the regis of the S P G, 90 ordained European missionaries and 98 European lay workers.

Other Anglican Societies—The Oxford Mission to Calcutta was started in 1880. It works in the poorest parts of Calcutta and also at Barisal. There are 11 mission priests of this Society, and 16 Sisters. In addition to its work amongst the poor, the Oxford Mission addresses itself to the educated classes in Bengal and issues a periodical called *Epiphany*, which is known all over India.

The Society of St John the Evangelist (commonly known as the Cowley Fathers) has houses at Bombay and Poona, and small stations in the Bombay Konkan. In Bombay its missionary work centres upon the Church of Holy Cross, Umakhadi, where there is a school and a dispensary. The Christians are chiefly drawn from the very poorest classes of the Bombay

population. At Poona the Society co-operate with the Wantage Sisters and in Bombay with the All Saints' Sisters. Other Anglican sisterhoods represented in India are the Clewer Sisters at Calcutta and the Sisters of the Church (Kilburn) at Madras. The St Hilda's Deaconesses' Association of Lahore carries an important educational work (chiefly amongst the domiciled community) in the Punjab. The mission of the Scottish Episcopal Church at Nagpur, the Dublin University Mission at Hazaribagh, and the Mission of the Church of England in Canada working at Kangra and Palampur (Punjab) should also be mentioned under the head of Anglican Missions.

An interesting development has lately taken place in the Anglican communion. In 1922 the foundations were laid of a new Religious community called the Christa Seva Sangh or the Society of the Servants of Christ. The aim of its members is to enable Indians and Europeans to live together a common life based upon the three fold vows of poverty, chastity and obedience and by living together to develop the Religious life along lines peculiarly suited to India. Indians appreciate fully the value of "renunciation." The Sangh hopes to commend Christianity to India by presenting it with a concrete illustration of Christian asceticism. The first Ashram of the Brotherhood was consecrated by Dr Palmer Bishop of Bombay, in 1928. It is situated in Poona and it continued at the time of consecration 13 Brothers, of whom 6 were Indians and 7 Europeans. It shows every sign of life and growth.

Bengal Ecclesiastical Department

Westcott, Most Rev. Lord, D.D.

Lord Bishop of Calcutta and Metropolitan of India

SENIOR CHAPLAINS

Grimes, Ven. ble Cecil John
Birch, Rev. Canon Ormonde Winstanley M.C.

Archdeacon of Calcutta
Chaplain, St John's Church Calcutta. Also
Officiating Archdeacon of Calcutta
(On leave)
Chaplain Barrackpur
(On leave)
Chaplain, St Stephen's Kidderpore
Chaplain, Darjeeling
Metropolitan's Chaplain
Chaplain Shillong Assam
Senior Chaplain, St Paul's Cathedral, Calcutta

7 Junior Chaplains

CHURCH OF SCOTLAND

Dodd, The Rev. George Edward, M.A., B.D., J.P.,
H.C.I.
Lee, The Rev. Robert Ewing M.C., B.D., J.I.

Presidency Senior Chaplain, Church of Scotland,
Bengal. (On leave.)
Officiating Presidency Senior Chaplain, Church
of Scotland Bengal and Senior Chaplain,
St Andrew's Church Calcutta
Second Chaplain, St Andrew's Church,
Calcutta

McLellan, The Rev. Duncan Tait Hutchison
M.A.

CHURCH OF ROME

Perier, The Most Rev. Dr. Ferdinand, S.J.
Bryan, Rev. Leo, S.J.

Archbishop Calcutta
Chaplain, Alipore Central Jail

Bombay Ecclesiastical Department

Acland, The Right Rev Richard Dyke, M A	Lord Bishop of Bombay
Martindale, Ven Henry, M A	Archdeacon
Arthur Patrick Lillie	Registrar of the Diocese
Eastley, C M	Ditto (Officiating)

SENIOR CHAPLAINS

Harvey, Rev Canon George Frederick, M A	Senior Presidency Chaplain (On leave)
Mason, Rev Charles Douglas Thomas, M A, A K C	(On leave)
Dart, Rev Canon John Lovering Campbell, M A	Senior Presidency Chaplain, Bombay (On leave)
Wormald, Rev Robert Leonard, M A, M B E	Chaplain of Belgaum (On leave)
Ashley Brown, Rev W, L T H	Chaplain of St Mary's, Poona Officiating Archdeacon of Bombay (in addition) and Chaplain of Mahableshwar (in addition)
Dossetor, Rev F E, M A	Chaplain of Deolali
Fortescue, Rev C F, L T H (Dur)	Senior Presidency Chaplain Comp
Seaman, Rev Alfred Jonathan, M A	Chaplain of Ahmedabad

6 Junior Chaplains**CHAPLAINS ON PROBATION**

Stansfield, Rev H R	Chaplain of Ghorpuri
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FIELD SERVICE POST*Nil***CHURCH OF SCOTLAND***Chaplains*

MacKenzie, Rev D F, M A	Senior Chaplain, St Andrew's Church, Bombay
Rennie, Rev J Y, M A, B D, D LITT	Presidency Senior Chaplain Chaplain, St Andrew's Church, Karachi

CHAPLAIN OF THE CHURCH OF ROME

Lima, The Most Rev Dr Joachim R	Presidency
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Assam Ecclesiastical Department**CHAPLAINS**

Higham, The Rev Phillip, M A	Shillong
Mathew, The Rev F W	Lakhimpur
Waite, The Rev A, B A	Silchar
Wyld, The Rev F, B A	Sibsagar

Bihar and Orissa Ecclesiastical Department**CHAPLAINS**

Halliday, Rev S	Chaplain of Bankipore
Tilney Bassett, Rev H F E	Chaplain, Dinapore

ADDITIONAL CLERGY

Perfect, Rev H	Bhagalpur
Beasley, Rev J S	Monghyr and Jamalpur
Ethelred Judith Rev	Muzaffarpur and Darbhanga
Drumcey, Rev K E D	Ranchi
Molony, Rev A C B	Cuttack (visiting)

Burma Ecclesiastical Department

Tubbs, The Right Reverend Norman Henry, Bishop of Rangoon
M A, D D

SENIOR CHAPLAINS

Anderson, The Ven'ble Nicol Keith	Archdeacon, Rangoon and Bishop's Commissary
Park, Rev William Robert, C I E, O B E	(On leave)
Thursfield, Rev Gerald Arthur Richard	Chaplain, Mandalay
Delahay, Rev William	Chaplain, Rangoon Cantonment
Lee, Rev Arthur Oldfield Norris	Chaplain, Myingon

JUNIOR CHAPLAINS

Stevenson, Rev G E	Chaplain, Mingaladon Cantonment
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Central Provinces Ecclesiastical Department

Wood, The Right Rev Alex, M A, PH D, D D, O B I	Lord Bishop of Nagpur
Roberts, The Ven'ble Arthur Betton	(On leave, preparatory to retirement)
Martin, Rev Frederick William M A	Archdeacon, Nagpur
Dry, Rev Edward Ridley, M A	Cheprata, U P
Warrington, Rev Guy Wilson M A	Garrison, Chaplain, Jabulpore
Streetfield, Rev S I, B A	(On leave)
Sanders, Rev Harold Martin M A	Central India, Mhow
Pastwick, Rev Rowland B A	(On leave)
Williams, Rev W P B A	Assirabad
Gash Rev I J	Kumptee
Heber Clare Rev	Garrison Chaplain, Jabulpore

Madras Ecclesiastical Department

CHURCH OF ENGLAND

Waller, Right Reverend Edward Harry Mans field, D D	Lord Bishop of Madras
Crichton Rev Walter Richard	Archdeacon

SENIOR CHAPLAINS

Edmonds, Rev Canon Herbert James, M A	Junior Chaplain, Madras (On leave)
Wheeler, Rev Charles Ernest Rurpeln	Chaplain of Trimglherry
Langdale Smith, Rev Richard Marmaduke, B A	Chaplain, St Thomas' Mount
Trench, Rev Albert Charles, M C	Chaplain, Holy Trinity Church, Bangalore
Grul, Rev A C	Chaplain, Ootacamund
Coldman, Rev A T	(Chaplain (On leave)
Hayward, Rev W G	Senior Chaplain, St George's Cathedral

6 Junior Chaplains

CHURCH OF SCOTLAND

McLean, Rev L	Presidency Senior Chaplain, Madras
Short, Rev G M D	Chaplain, St Andrew's Church, Bangalore

North-West Frontier Ecclesiastical Department

SENIOR CHAPLAIN

Vacant

JUNIOR CHAPLAINS

Stup, Rev E A K, M A	Chaplain of Kohat
Claydon, Rev E, M A	Chaplain of Abbottabad
Nicholl, Rev E M	Chaplain of Peshawar
Bartels, Rev R C	Chaplain, Razmak (Waziristan)
Salisbury, Rev Dr	Chaplain of Nowshera
Devlin, Rev T S	Chaplain of Risalpur
Rose, Rev T P	Assistant Chaplain of Peshawar

Punjab Ecclesiastical Department

Cruden, The Ven'ble Henry Craven, M A	Archdeacon of Lahore	Bishop's Commissary,
	(On leave)	
Kerr, Rev George Henry Bruce, M A (Durham)	(On leave)	
England, Rev Canon Herbert George, M A (Durham)	(On leave)	
McKelvie, Rev Robert Fritz Stanley, M A, D D (Oxon)	(On leave)	
Lister, Rev Canon J G, M A	Ambala	
Tambling, Rev F G H	Hyderabad, Sind	
Marshall, Rev Norman Edwyn, M A	Ambala (Assistant)	
Storrs Fox, Rev E A	Murree	
Gorrie, Rev L M, TH L	New Delhi	
Johnston, Rev Canon G F, M A	Karachi	
Devenish, Rev R C S, B A	(On leave)	
Rennison, Rev Eric David Robert, B A	Jullundur	
Jones, Rev G W, B A	West Ridge, Rawalpindi	
Nicholl, Rev E M, M A, M C	Peshawar	
Mckenzie, Rev D S, M A	Serving under G I as Metropolitan Chaplain	
Morgan, Rev B I, M A	Sialkot	
Evers, Rev Rev M S, M A, M C	Quetta	
Devlin, Rev T S, M A	Rasulpur	
Salisbury, Rev Mark, LL D	Nowshera	
Waterbury, Rev I G, LL D, B D	Karachi (Assistant)	

20 Junior Chaplains

United Provinces Ecclesiastical Department

Saunders, The Right Rev Charles John Godfrey, M A	Bishop of Lucknow, Headquarters, Allahabad
Bill, The Ven'ble Sydney Alfred, M A	Archdeacon of Lucknow, Headquarters, Naini Tal
Westmacott, R, V D, Bar at Law	Registrar of the Diocese of Lucknow, Headquarters, Calcutta

SENIOR CHAPLAINS

Bill, The Ven'ble Sydney Alfred, M A	Naini Tal
Cohn, The Rev Canon Clifford John, M A	Ranikhet (Almo)
Talbot, The Rev Alfred Dixon	(On leave, preparatory to retirement)
Dunlop, The Rev Canon Douglas Lyall Chandles, M A	(On leave, preparatory to retirement)
Maynard, The Rev Bertram Martin, A B C	(On leave, preparatory to retirement)
Broughton, The Rev Arthur Hardwicke, M A	Dehra Dun
Rigg, The Rev Arthur Cecil Pietroni, M A	Lucknow (Cantt)
Hare, The Rev Arthur Neville, B A	(On leave)
Patrick, The Rev Alexander, B A	Jhansi
Porter, The Rev John	(On leave)
Douglas, The Rev Percy Sholto, M A	Fyzabad
Southern, The Rev Gerald Holte Brucebridge, M A	Allahabad Garrison
Luckman, The Rev Sydney, B A	Agra
Burn, The Rev John Humphrey B A	Cawnpore

8 Junior Chaplains

THE ROMAN CATHOLIC CHURCH

With regard to numbers, the *Catholic Directory of India* gives the following tables —

	1911	1921	1931
1 <i>British India and Indian States—</i>			
(a) Latin Rite	1,614,620	1,851,408	2,164,918
(b) Syrian Rites	364,666	440,488	519,981
2 <i>French India</i>	21,618	21,489	23,192
3 <i>Portuguese India</i>	296,118	288,711	326,690
Total, India	2,301,346	2,668,117	3,067,081
4 <i>Ceylon</i>	322,163	353,986	391,993
Total, India and Ceylon	2,623,509	2,970,103	3,462,074

NOTE (1) —In 1860 the total for India and Ceylon was 1,170,851. In 1889 it had risen to 1,610,265 and in 1900 to 2,201,674.

NOTE (2) —In 1860 there were 1,504 priests. In 1921 there were 3,156. In 1931 there were 3,625.

The Catholic community as thus existing is composed of the following elements —

- (1) The 'Syrian' Christians of the Malabar Coast, traditionally said to have been converted by the Apostle St. Thomas. They were brought under allegiance to the Pope by the Portuguese in 1599, and placed first under Jesuit bishops and then under Carmelite Vicar Apostolics. They are at present ruled by an Archbishop and three suffragan Bishops of their own Syrian rite.
- (2) Converts of the Portuguese missionaries from 1500 and onwards, starting from Goa and working in the south of the peninsula and up the west coast, Ceylon, Bengal, etc.
- (3) European immigrants at all times, including British troops.
- (4) Modern converts from Hinduism and Animism in recent mission centres.
- (5) Recent converts from the Jacobite community in Malabar, of which 2 Bishops, 50 priests and some 10,000 laity have been 'united' to the Catholic Church.

The Portuguese mission enterprise, starting after 1500 continued for about 200 years, after which it began to decline. To meet this decline fresh missionaries were sent out by the Congregation *de propaganda fide*, till by the middle of the 19th century the whole country was divided out among them except such portions as were occupied by the Goa clergy. Hence arose a conflict of jurisdiction in many parts between the Portuguese clergy of the 'Padroado' or royal patronage, and the propaganda clergy. This conflict was set at rest by the Concordat of 1886 (amended by the Agreement of 1928, abolishing 'double jurisdiction'). At the same time the whole country was placed under a regular hierarchy, which after subsequent adjustments now stands as follows —

Under the Sacred Congregation of **Extraordinary Ecclesiastical Affairs** —

The archbishopric of Goa and Damaun (having some extension into British territory) with suffragan bishoprics at Cochim and Mylapore (both in British territory).

Under the Sacred Congregation of **Oriental Churches** —

The archbishopric of Irukulam, with suffragan bishoprics of Changanacherry, Kottayam and Trichur.

The archbishopric of Trivandrum, with suffragan bishopric of Tiruvella.

Under the Sacred Congregation of **Propaganda Fide** —

The archbishopric of Agra, with suffragan bishoprics of Allahabad and Ajmere.

The archbishopric of Bombay, with suffragan bishoprics of Poona, Mangalore, Calicut, Frichinopoly and Tuticorin.

The archbishopric of Calcutta, with suffragan bishoprics of Ranchi, Dacca, Chittagong, Krishnagar, Dinajpur and Patna and the Prefectures Apostolic of Assam and Sikkim.

The archbishopric of Madras, with suffragan bishoprics of Nellore, Hyderabad, Vizagapatnam and Nagpur, the Prefecture Apostolic of Jubbulpore, and the Missions of Cuttack and Bellary.

The archbishopric of Pondicherry (French) with suffragan bishoprics of Mysore, Coimbatore, Kumbakonam, Salem and Malacca.

The archbishopric of Simla, with suffragan bishopric of Lahore and the Prefecture Apostolic of Kashmir.

The archbishopric of Verapoly, with suffragan bishoprics of Quilon, Kottar and Varyapuram.

The archbishopric of Colombo (Ceylon), with suffragan bishoprics at Kandy, Galle, Jaffna and Trincomalee.

Three Vicariates Apostolic and one Prefecture Apostolic of Burma.

The European clergy engaged in India almost all belong to religious orders, congregation or mission seminaries, and in the great majority are either French, Belgian, Dutch, Swiss, Spanish or Italian by nationality. They number about 1,300 besides which there is a body of secular clergy mostly Indian, etc.,

numbering about 2,200, and probably about 2,000 nuns. The first work of the clergy is parochial ministration to existing Christians, including railway people and British troops. Second comes education, which is not confined to their own people, their schools being frequented by large numbers of Hindus, Mohamedans, Parsis, etc. Among the most important institutions are St Xavier's College, Calcutta, St Peter's College, Agra, St Xavier's College, Bombay, St Joseph's College, Trichinopoly, St Aloysius College, Mangalore, Loyola College, Madras, teaching universities, besides a large number of high schools and elementary schools. The education of girls is supplied for by numerous convent schools work 'gations of nuns to nages and other

The total number under education amounted, in 1904 to 143,051 boys and 73,164 girls, later figures being unavailable. As to missionary work proper, the country is covered with numerous modern mission centres, among which those in the Punjab, Chota Nagpur, Krishnagar, Gujerat, the Ahmednagar district and the Telugu coasts may

be mentioned. (Full particulars on all points will be found in the Catholic Directory already quoted.) The mission work is limited solely by shortage of men and money, which if forthcoming would give the means to an indefinite extension. The resources of the clergy after the ordinary church collections and pay of a few military and railway chaplains are derived mainly from Europe, that is, from the collections of the *Society for the Propagation of the Faith* and of the *Holy Childhood*, helped out by private or other donations secured from home by the different local missionaries. In mission work the fathers count as enrolled only those who are baptised and persevering as Christians, and no baptism, except for infants or at point of death, is administered except after careful instruction and probation. This, while keeping down the record, has the advantage of guaranteeing solid results.

The Holy See is represented by a Delegate Apostolic of the East Indies who resides at Bangalore. At present this post is occupied by the Most Rev. Archbishop Kierkels, D.D., appointed in 1931.

THE CHURCH OF SCOTLAND

Andrew's High School, and both in Bangalore and in Madras the local congregation supports the school for poor children. The Ayrleff Girls' Boarding and High School is under the care of the Kirk-Session of St Andrew's Church, Simla. The now well known St Andrew's Colonial Homes at Kalimpong, Bengal, though not directly part of the work of the Church of Scotland, were initiated by and are being locally managed by missionaries of that Church. The homes exist for the benefit of the domiciled European Community, and are doing magnificent work. There are now twenty cottages, and about 600 children in residence. Further information may be found in "Reports of the Seniors of the Church of Scotland," Blackwood & Sons, "The Church of Scotland Year Book" and "The Handbook of the Church of Scotland in India and Ceylon."

Though the former Churches of the United Free Church now belong to the Church of Scotland they remain independent of the establishment recognised by Government. They have only three purely European congregations in India: two in Calcutta, and one in Bombay.

The Church carries on Mission work in seven different areas. They are Bengal (Calcutta, Rangoon and Chinsura), the Central Provinces, with five stations, Western India (Bombay, Poona and Alibag), Hyderabad State (Jalnah,

Pithel and Parbhani), Madras (Madras City, Chingleput, Sripurambudur and Conjeevaram), the Central Provinces (Nagpur, Phandara, Wardha and Amroth), Patna, where the extensive work instituted by the United Presbyterian Church in 1860 is now carried on from eleven centres.

The work falls into three main divisions, evangelistic, medical, and educational. The Christian community has been organised in all the chief centres into congregations which form part of the Indian Presbyterian Church, and this Church is seeking to take an increasing share in the work of evangelism. There are nineteen Mission Hospitals, among which are four excellently equipped and staffed Women's Hospitals, in Madras, Nagpur, Ajmer, and Salpur. From the days of 1817 in Calcutta and Wilson in Bombay the Mission has given a prominent place to education. It has many schools in all parts of the field and it has also made a large contribution to the work of higher education through four Christian Colleges. The Scottish Church College, Calcutta, is well known. The Madras Christian College, which owes so much to the work of Dr William Miller, is now under the direction of a Board representing several Missionary Societies. Other Colleges are Wilson College, Bombay, and Bishop College, Nagpur.

BAPTIST SOCIETIES

THE BAPTIST MISSIONARY SOCIETY OF GREAT BRITAIN—Founded in 1792, largely through the efforts of Dr Wm Carey, operates mainly in Bengal, Bihar and Orissa, the United Provinces, the Punjab and Ceylon. The Baptist Burma Mission and the Bible Translation Society have been united with this Society. The staff of the united Mission in India and Ceylon numbers 211 missionaries and about 1,070 Indian and Singhalese workers. Connected with the Society are 347 Indian and Singhalese Churches, 299 Primary Day Schools, 20 Middle and High Schools, and 1 Theological Training College. The Church membership at the close of 1931 stood at 22,128 and the Christian community at 60,311. The membership during the past ten years has increased by about 63 per cent and the community by 50 per cent. In the same period amongst the non-caste people great progress has been made in recent years, and many of the Churches formed from amongst these peoples are self supporting.

Special work amongst students is carried on in Calcutta, Dacca, Cuttack, Patna and Delhi, where hostels have been erected for the prosecution of this form of work.

EDUCATIONAL WORK—Panges from Primary School to Colleges. Serampore College, the only College in India able to bestow a theological degree granted under Royal Charter by His Danish Majesty in 1827, confirmed by the British Government in the Treaty of purchase of the Settlement of Serampore in

1845, and placed in 1855 by the College Council at the disposal of the Baptist Missionary Society to become a part of its Missionary Educational operations, in Arts and Theology. It was affiliated in 1857 to the newly formed Calcutta University, reorganised in 1910 on the lines of its original foundation with the appointment of a qualified Theological Staff on an Inter-denominational basis for the granting of Theological Degrees to qualified students of all Churches.

As the only College in India granting a Theological Degree a large number of students are now resident in the College. In Arts, the College prepares for the Calcutta Arts Examinations. Principal Rev G H C Angus, M.A., B.D.

There is a vernacular institute also at Cuttack for the training of Indian preachers and Bible schools in several centres.

There are 9 or 10 purely English Baptist Churches connected with the Society, but English services are carried on in many of the stations. Medical work connected with the Society is carried on in 9 Hospitals, and 6 Dispensaries. Two large Printing Presses for both English and Vernacular work are conducted at Calcutta and Cuttack. The Secretary of the Mission is the Rev D Scott Wells, 44, Lower Circular Road, Calcutta.

The Headquarters of the Mission are at 19, Turnval Street, Holborn, London. The total expenditure of the Society for 1931 amounted to £196,827.

THE CANADIAN BAPTIST MISSION—Was commenced in 1873, and is located in the Telugu Country to the north of Madras, in the Kistna, Godavari, Vizagapatnam and Ganjam Districts. There are 22 stations and 553 out-stations with a staff of 104 missionaries including 9 qualified physicians, and 1,379 Indian workers, with Gospel preaching in 1,536 villages. Organized Churches number 120, communicants 25,728 and adherents 19,000 for the past year. Forty-one Churches are entirely self-supporting. In the Educational department are 560 village day schools with 20,371 children, 15 boarding schools, 2 High schools, 2 Normal Training schools, a Bible Training School for Women, a Theological Seminary providing in all for 1,000 pupils, and an Industrial school. There are 6 Hospitals, two leper asylums and an Orphanage. The Mission publishes a Telugu newspaper. Village Evangelisation is the central feature of the Mission, and stress is laid upon the work amongst women and children. During the last decade membership has increased by 63 per cent, the Christian community by 20 per cent, and scholars by 105 per cent. Indian Secretary is the Rev A Arthur Scott, Tuni, East Godavari.

AMERICAN BAPTIST FOREIGN MISSION SOCIETY, organized in 1814, has Missions in Burma begun 1813, Assam 1836, Bengal and Orissa 1836, South India 1840. It owes its rise to the celebrated Adoniram Judson. Until 1910 the Society was known as the American Baptist Missionary Union. There are 33 main stations in Burma, 13 in Assam, 10 in Bengal Orissa, 29 in South India, besides many outstations. All forms of missionary enterprise come within the scope of the Society.

The great work of the Mission continues to be evangelistic and the training of the native preachers and Bible Women, and extends to many races and languages, the most important of which, in Burma, has been the practical transformation of the Karens, whose language has been reduced to writing by the Mission. The work in Assam embraces 9 different languages and large efforts are made amongst the employees of the tea plantations. The Mission Press at Rangoon is the largest and finest in Burma.

Last year the field staff numbered 314 missionaries, 7,064 Native workers. There were 1,892 Churches of which 1,272 were self-supporting. Church members number 1,27,828. In the 2,107 Sunday Schools were enrolled 9,60,000 pupils. The Mission conducted 2,741 schools of all grades with 91,091 students enrolled. 14 Hospitals and 34 Dispensaries treated 6,364 in patients and 1,05,879 out-patients. Indian Christians contributed over Rs 6,74,000 for this religious and benevolent work during the year.

THE AMERICAN BAPTIST ASSAM MISSION, was opened in 1836, and has 12 main stations staffed by about 50 missionaries. There are 1,038 native workers, 891 organized churches, 53,186 baptized members, 442 schools of all grades including 2 High, 2 Normal, 3 Bible and 14 station schools. 3 Hospitals and 5 Dispen-

saries treated 1,249 in-patients and 24,147 out-patients during the year. Mission work is carried out in 10 different languages.

Treasurer and Corresponding Secretary Miss Marion G Burnham, Gauhati, Assam.

AFRICAN BAPTIST, BENGALE-ORISSA MISSION commenced in 1836. Area of operation Midnapore district of Lower Bengal, Balasore district of Orissa and Jamshedpur. Mission staff 36, Indian workers 310. Two English Churches and 32 Vernacular Churches, Christian Community 2,686. Educational: Two Boys' High Schools and two Girls High Schools and 115 Elementary Schools, pupils 4,220. One Industrial School, known as Balasore Technical School, for carpentering, iron work and motor mechanics. The Vernacular Press of this mission printed the first literature in the Santali language.

Secretary—Mr W S Dunn, Bhudrak, Orissa.

THE AMERICAN BAPTIST TELUGU MISSION—Was commenced in the year 1836, and covers large parts of Nellore, Guntur, Kistna, and Kurnool Districts, parts of the Deccan and an important work in Madras and the surrounding vicinity. Its main work is evangelism, but there are also Educational and Medical Institutions of importance. Industrial Settlement work for the Eriakals is carried on at Kuvah and vicinity. Industrial departments are maintained also in connection with the Mission. High Schools at Nellore, Ongole and Kurnool. Organized Telugu Churches number 326, with 105,596 baptized communicants. There are 88 missionaries, and 2,720 Indian workers. The mission maintains a Theological Seminary at Ramapatnam for the training of Indian preachers. A Bible Training School for the training of Telugu women is located in Nellore. A total of 36,942 receive instruction in 1,270 primary schools, 16 secondary schools and 4 high schools. In Medical work 7 Hospitals and 11 Dispensaries report 5,391 in-patients, 95,108 out patients, and 115,073 treatments during the year.

Secretary—Rev F Kurtz, D D, 39, Oxford Street, Secunderabad, Deccan.

THE AUSTRALIAN BAPTIST FOREIGN MISSION—(Incorporated) Embracing the societies representing the Baptist Churches of the States of the Australian Commonwealth. The field of operations is in East Bengal. The staff numbers 42 Australian workers. There are 3,021 communicants and a Christian community of 5,639.

Secretary, Field Council The Rev W G Crofts B A, Biri Shi Mission House, P O Hatshipganj, Dist Mynensingh.

THE STRICT BAPTIST MISSION—Has 18 European Missionaries and 223 Indian workers in Madras, Chingleput, Salem, Ramnad and Tinnevely Districts. Communicants number 1,866, organized churches 51, elementary schools 82, with 3,043 pupils.

Treasurer and Secretary Rev D Morling, Kovilpatti, Tinnevely District.

PRESBYTERIAN SOCIETIES

THE INDIAN PRESBYTERIAN CHURCH MISSION—Operates in Gujarat and Kathiawar with a staff of 36 Missionaries of whom 13 are Clerical, 11 Educationalists, 6 are Doctors and 2 Nurse. The Indian staff numbers 521 of whom 15 are Pastors, 87 Evangelists, 4 Colporteurs, 11 Bible women, and 348 are Teachers. There are 10 Organised Churches, a communicant roll of 2,355, and a Christian Community of 7,732. In Medical work there are 4 Hospitals and several Dispensaries, with 1,714 in patients, 17,377 new cases and a total attendance of 67,819. The Mission conducts 3 High Schools, 1 Anglo Vernacular School, 1 Preparatory School at Parantij and 131 Vernacular schools affording tuition for 6,751 pupils also 1 crèche, 4 Orphanages, an Industrial School at Borsad, a Teachers Training College for Women at Porsad, a Divinity College at Ahmedabad and a Mission Press at Surat. The Mission has made a speciality of Farm Colonies of which there are about a score in connection with it, most of them thriving.

The Jungle Tribes Mission with 7 Missionaries is a branch of the activities of the above working in the Panch Mahals and Rewa Kantha districts with Farm Colonies attached.

Secretary—Rev. George Wilson, B.A. Ahmedabad.

THE UNITED PRESBYTERIAN CHURCH OF NORTH AMERICA—The Sikhote Mission of this Church was established at Sukhot in the Punjab, in 1855. It is now carrying on work in ten civil districts in the Punjab and two in the North West Frontier Province. Its missionaries number 113 including married ladies and its Indian workers 316. Its educational work comprises one Theological Seminary, one College, four High Schools, one Industrial school, seven Middle schools and 131 Primary schools. The enrolment in all schools in 1930 was 13,209. Medical work is carried on through five Hospitals and four Dispensaries. The communicant membership of the Church which has been established was 44,753 in 1931 and the total Christian community 95,216.

General Secretary—Rev. H. C. Chambers D.D., Gordon College, Rawalpindi.

THE AMERICAN PRESBYTERIAN MISSION operates in three main sections known as the Punjab, North India and Western India Missions. The American women, numbers 256 and 11. There are thirty four main stations. Organised churches number 100, of which thirty two are self supporting. There are 13,826 communicants and a total baptized community of 61,487.

Educational work as follows—two men's colleges and an interest in the Isabella Thoburn and Kinnaird Colleges for Women, students about 1,820, one Theological College, students thirty four, two Training Schools for Village Workers, students about 180, twelve High Schools, students about 3,400, three Industrial Schools, three Agricultural Demonstration Farms, five Teachers' Training Departments, The Miraj Medical School and an interest in the Ludhiana Medical College for Women, students about 170, 230 Elementary Schools, 241 Schools of all grades, pupils about 12,023.

Medical Work—Seven Hospitals, twenty, four Dispensaries.

Evangelistic Work—131 Sunday Schools with an attendance of 11,050 pupils. Contributions for church and evangelistic work, on the part of the Indian church 18,712.

The Hospital at Miraj, founded by the late Sir William F. Windle and now under the care of C. I. V. is well known throughout the whole of S.W. India and the Forman Christian College at Lahore under the principalship of Dr. S. K. Datta, is equally well known and valued in the Punjab. The Twining Christian College (Dr. C. H. Rice, Principal) has grown rapidly in numbers and influence.

Secretary of Council of I. P. Mission in India—Rev. J. F. Dadds D.D., Lowryton, Dehra Dun, U.P.

Secretary, North India Mission—Rev. W. I. Allison B.A. D. Gwalior C.I.

Secretary, Punjab Mission—Rev. J. B. Weir M.A., 1 Wing Hall Lahore.

Secretary, Western India Mission—Rev. D. B. Updegraff, M.A., D.D., Nainital, Belgaum District.

THE NEW ZEALAND PRESBYTERIAN MISSION—Commenced as recently as 1910 at Jagadhri, Punjab.

Secretary—Miss B. J. Havel, Jagadhri, Dist. Amballa.

THE UNITED CHURCH OF CANADA MISSION—Commenced in 1877 has 14 main stations in Indore, Gwalior, Ruttam, Dair Jora, Sitapur, Bhopal and Janswara States. The Mission staff numbers 80 Indian workers, 200. This Mission works in conjunction with the Malwa Church Council of the United Church of Northern India, which reports for this part of its territory—Organised churches 21, Unorganised churches 8, Communicants 2,158, Baptised non-communicants 5,857, Unbaptised adherents 649, Total Christian Community 8,104.

Educational work comprises 11 elementary and Middle Schools for boys and girls, a High School for girls, an Arts College for students of both sexes (The Indore Christian College), a Normal school for girls, and the Malwa Theological Seminary. Women's Industrial work is carried on in Mhow and Ruttam, and Vocational Training for boys is a feature of the Risalpur Boys School, where training is provided in printing, tailoring, carpentry and motor mechanics.

The Medical work is large. There are three General Hospitals, where both men and women are treated and five Women's Hospitals, and also a number of dispensaries in central and out-stations.

General Secretary of Mission—Rev. A. A. Scott, M.A., D.D., 13 Pied Indore, C.I.

Associate Secretary of Mission—Miss J. J. Clearhune, Kharua, C.I. (Via Mchidpur Rd Station).

Secretary of Malwa Church Council—Rev. E. H. Russell, M.A., D.D., Ruttam, C.I.

The Canadian Presbyterian Mission operates in two sections, the Northern Section with headquarters at Jhansi in the U.P., and the Central India Section, known as the Southern Bhul Field.

In Central India the five central stations are located in the States of Alirajpur and Jobat and Barwani, but the Mission comprises within its area the States of Jabua and Kathiawar, also part of Chhota Udupur in the Bombay Presidency and parts of Dhar, Indore and Gwalior States bordering on the Jobat-Barwani Road. The Staff in Central India consists of 20 missionaries and 42 Indian workers. There are several elementary schools in the area and a central and vernacular School for boys and girls at Amkhut and Alirajpur States. At Amkhut also there is a Children's Nursery Home and dispensary and a General Hospital for the area is located at Jobat. In the district there are five organised and 2 unorganised churches with 239 communicant members and a baptised community of 805.

Secretary—Thomas Draper, M.P.C.S. (Ind.), M.P.C.P. (Ed.) Jobat, Via Dohad, Central India.

The Jhansi Section formerly known as the Gwalior Mission was founded by the late Dr J. Wilkie in 1905. There is now a staff of twelve missionaries and twenty-five Indian workers who are engaged in Jhansi city, Lsagarh, Baragron and the surrounding villages.

Activities include Anglo vernacular middle schools for both boys and girls and hostels for Christian pupils in each. There is also an orphanage for children under school age, a dispensary and an industrial school for boys. There is an agricultural settlement at Lsagarh where the Mission has a farm of 1,200 acres.

There are two organised churches having a communicant membership of 150.

Secretary—The Rev. A. A. Lowther, M.A., B.D.

THE WELSH CALVINISTIC METHODIST (PRESBYTERIAN) MISSION established in 1840 with a staff of 40 Missionaries, 950 Indian workers, occupies stations in Assam in the Khasia and Jaintia

Hills, the Lushai Hills and at Sylhet and Cachar. The Khasia language has been reduced to writing, the Bible translated, and many books published in that language by the Mission. A large amount of literature has also been produced in the Lushai language. Communicants number 35,396, the total Christian community 92,923, organised Churches 721. Elementary schools number 678. Scholars 20,243 in addition to Industrial Schools and Training Institutions. Theological Seminaries, Sunday Schools 822 and Scholars 54,047. Four Hospitals and several Dispensaries provide annually for more than 10,000 patients.

Secretary Rev. E. J. Sandy, Duffing Aijal.

THE APCOT MISSION OF THE REFORMED CHURCH—In America organised in 1853 occupies most of the North and South Arcot and Chittoor districts in S. India with a staff of 55 Missionaries and 801 Indian workers. Churches number 16, Communicants 7,452, Total Christian Community 26,442, Boarding Schools 17, Scholars 1,129, Theological School 1, students 31, Voorhees College, Vellore, students 137, High Schools 4, Scholars 1,887, Training Schools 2, students 120, Industrial Schools 2, Agricultural Farm and School 1, total pupils 280, Elementary schools 225, Scholars 9,716. Two Hospitals and 4 Dispensaries with a staff of 68 provided for 2,617 in patients and 29,571 outpatients excluding the Union Medical College Hospitals and Dispensaries, Vellore.

The Union Mission Medical College for South India and a Union Mission Training School are located at Vellore, the headquarters of the Mission. The Union Mission Tuberculosis Sanatorium for S. India is near Madanapalle, Arignamaram, P.O., Chittoor District.

Secretary—Rev. W. H. Farrar, A.M., S. India.

CONGREGATIONAL SOCIETIES

THE AMERICAN BOARD OF COMMISSIONERS FOR FOREIGN MISSIONS—Has two large Missions, the American Marathi Mission, and the Madura Mission. The Marathi Mission covers a considerable part of the Bombay Presidency, with centres at Bombay, Ahmednagar, Satara and Sholapur. It was commenced in 1813, the first American Mission in India. Its activities are large and varied. The staff at the beginning of 1932 consisted of 52 missionaries in all, and 506 Indian workers operating in 9 stations and 99 outstations. Organized churches number 65 with 6,406 communicants, and 1,831 unbaptized adherents. There is a work for lepers at Sholapur. The educational work includes 10 secondary and training schools, with 1,151 pupils, and 68 primary schools, with 4,145 pupils, three fifths of whom are non-Christians. Zenana work and industrial work are vigorously carried on, the latter embracing carpentry and lace work. A school for the blind is conducted in Bombay on both educational and industrial lines. In the hospitals and dispensaries of the Mission last year, 60,622 patients were treated. This Mission was the first to translate the Christian scriptures into the Marathi tongue. At Sholapur a settlement for Criminal Tribes is carried on by the Mission

under the supervision of Government. *Secretary* Rev. W. Q. Swart, Ahmednagar.

THE MADURA MISSION—In the south of the Presidency, founded in 1834, has a staff of 58 missionaries and 930 Indian workers, operates in the Madura and Ramnad Districts and has a communicant roll of 11,854 and a total Christian community of 33,754 and 34 organized Churches most of which are entirely self-supporting and self-governing. These Churches are an integral part of the South India United Church. Schools number 287 with 15,834 pupils. In Madura there are a First Grade College, High and Training schools for girls and hospitals for men and women. At Pasumalai three miles from Madura, a High School, Training School, Union Theological Seminary and Trade School. Five elementary Boarding Schools are found in as many outstations, industrial work is increasingly a part of the curricula of all schools above the lower grade. The *Secretary* is the Rev. John J. Banning, M.A., B.D., Pasumalai.

The Mission celebrates its Centenary in January, 1934, and immediately thereafter will cease to exist as an authoritative body but will hand over its authority for the conduct

of all its work to a body to be known as The Madura Mission Sangam, which will consist of some 15 members, the majority of whom must be Indian. The American College, Madura, will be reorganised under an independent Council.

THE SCANDINAVIAN ALLIANCE MISSION OF NORTH AMERICA—The mission staff in Khandesh is represented by seventeen missionaries, and 39 Indian workers. There are 253 church members in good standing with 637 in Sunday Schools. 14 Elementary Schools provide for 376 pupils.

Secretary—Miss Olga L. Noeren, Navapur, West Khandesh.

THE SWEDISH ALLIANCE MISSION—Working among Bhils, Hindus and Muhammedans in West Khandesh, has 25 missionaries and 68 Indian workers. There are 8 congregations with a total membership of 942 of whom 435 are communicants. There are 9 Elementary Schools, 2 Training Schools and 1 School Home. The pupils in all schools are 380.

Secretary—The Rev S. Ohlson, Mandwar, Tal. Talod, W. Khandesh.

THE LUTHERAN CHURCH OF INDIA MISSION—Total Mission staff is represented by 6 missionaries, 1 native pastor, 2 catechists, 5 teachers. There are about 130 communicants and total community 150. Four day schools, 1 evening school, 2 dispensaries and weaving and woolcord industry.

Secretary—Rev L. A. Ohlsson, D. H. Rahim.

THE LONDON MISSIONARY SOCIETY—Commenced work in India in 1798 and occupies 3 centres in N. India, 12 in S. India and 7 in

Travancore. The Mission engages in every form of Missionary activity.

The European staff numbers 87, Indian workers 2,450, Organised Churches 520, Communicants 25,311 and Christian Community 177,795. There are 1 Christian College, students 159, 2 Theological Institutions students 70, 4 Training Institutions, pupils 114, 12 high schools, pupils 4,849, 25 Boarding schools, scholars, 1,167 and 862 Elementary schools with 16,971 scholars. In medical work Hospitals number 6, Nurses 7 Europeans and 13 Assistants, 11 qualified doctors, 9 Europeans and 62 Assistants and 10,413 inpatients and 206,276 outpatients for the year.

The main centres of the Mission in N. India are at Calcutta and Murshidabad. L. M. S. work in the United Provinces has been closed but a Union Mission of the W. M. S., C. M. S. and L. M. S. has been opened in Benares City with the Rev J. C. Jackson of the L. M. S. as Superintendent. This Mission concentrates especially on work amongst pilgrims and students. Special efforts are made amongst the Narmada Sudris. The S. India district and Travancore are divided into the Kannarese, Telugu, Tamil, and Malayalam fields with 10 stations and 959 outstations. At Nagercoil (Travancore) is the Scott Christian College and High School with 985 students, a Church and congregation said to be the largest in India, and a Printing Press, the centre of the S. Travancore District Society.

Bengal Secretary—Rev H. A. Wilson, B.A., 16, Ashutosh Mukherjee Road, Calcutta.

South India—Secretary and Treasurer—Rev George Parker, M.A., B.D., 18, Traveller Road, Bangalore.

Benares Superintendent—Rev J. C. Jackson, Benares, U.P.

ALL-INDIA MISSIONS

THE CHRISTIAN AND MISSIONARY ALLIANCE—Dates from the year 1893 under the name of the International Missionary Alliance, but in number of its missionaries were at work Berar Province much earlier. Work is carried on in the Provinces of Berar, Khandesh and Gujarat. There is a staff of 58 missionaries and 128 Indian workers. The number of mission stations is 16 with additional outstations. There is a Christian community of 2,339 adults. There are 4 Boarding Schools, 2 for boys and 2 for girls, 1 Training School for Indian workers and 1 English congregation at Bhusawal.

Executive Secretary—Rev K. D. Garrison, Akola, Berar, C.P.

THE CHURCH OF THE BRETHREN (AMERICAN)—Opened work in 1895, and operates in Broach, Surat and Thana Districts, also in Baroda and Rajpipla States. Its staff number 49 foreign workers including missionaries' wives, and 200 Indian workers. The Baptized (immersed) membership stands at 4,871. Education is carried on in 7 Girls' Boarding Schools, 7 Boarding Schools for Boys, and 121 Village Day Schools. Females under instruction number 719, males 2,927, total under instruction 3,698. There are 47 Sunday Schools having 200 teachers and a total enrolment of 4,711. There were 32,052 calls at mis-

sion dispensaries in 1932. The foreign medical staff consists of 3 doctors, 4 nurses. Industrial work is carried on in eight of the Boarding Schools. A vocational school including teachers training, village trades and agriculture for boys and a school of practical art for girls are conducted at Ankleswar. Evangelistic, Temperance and Publication work receive due emphasis.

Secretary—L. A. Bickenstaff, Bulsar, Surat District.

THE POONA AND INDIAN VILLAGES MISSION—Founded in 1893. Mission Stations—Khed Shivapur, Poona District, Nasrapur (Bhor State), Poona District, Lonand, M.S.M. Ry., Satara District, Phulni, Satara District, and Pandharpur and Nateputa Sholapur District. The staff consists of 46 European and 47 Indian workers, with a community of about 67 Indian Christians and their families. The main work is evangelising in the villages, women's zenana work, and primary education. Medical work is conducted at each station, with a hospital at Pandharpur. Headquarters 44, Sassoon Road, Poona.

Secretary—J. W. Stothard.

THE AMERICAN CHURCHES OF GOD MISSION—Has four missionaries at Beera, one at Khan.

purpur, Bogra District, Bengal, and two at Ulubaria, Howrah District

Executive Secretary —Rev H W Cover, M A, Bogra, E B R

Recording Secretary —Rev A E Myers, B A, Ulubaria, Howrah Dist

THE INDIA CHRISTIAN MISSION—Founded in 1897, has 41 Organised Churches, 17 Missionaries, 53 stations and out stations, 1,759 Communicants, 51 Primary schools and one Industrial School and Bible School in the Illore District, also Station at Doddballapur near Bangalore, S India, also Colony for young people of mixed parentage, Champawat via Almora, U P stations also in Nuwara Eliya Mulpotha Uva Province and Polgahwella, Ceylon, Girls' Orphanage at Nuwara Eliya, Industrial Homes for children of mixed parentage, Nuwara Eliya Total Christian community 4,092 Magazines —English *Missionary Notes* and Telugu *I C M Messenger*

Directors —Rev Arnold Paynter, Champawat, Almora, U P and Miss A L Paynter, Nuwara Eliya, Ceylon

THE CHURCH OF THE NAZARENE MISSION—Has its headquarters for India at Buldana Betar where it has a Boys' Boarding School, In Chikhi, 14 miles from Buldana there is a Girls' Boarding School At present there are six missionaries in India and a force of 31 Indian Preachers, teachers and Bible women

President of the Council —Rev L S Tracy, Buldana, Betar

THE HYPHZIBALE FAITH MISSIONARY ASSOCIATION—Has five missionaries in India They are Rev and Mrs D W Zork, and Rev and Mrs W J Brown Adra, B N Rly, and Miss L K Landis Raghunathpur Manbhum District

THE TIBETAN MISSION—Has 3 Missionaries with headquarters at Darjeeling, and Tibet as its objective *Secretary*—Miss J Ferguson, Darjeeling

THE INDIAN MISSIONARY SOCIETY OF TINNEVELLY (DORNAKAL MISSION)—Opened in 1903 operates in the Warangal District of the Nizam's Dominions as well as among the hill tribes called Paliars in the British and Travancore Hills It is the missionary effort of the Tamil Christians of Tinnevely There are now nearly 7,078 Telugu Christians in 133 villages and 379 Paliar Christians in the hills *Secretary*—Rev D J Devapuram, Palamcottah

THE MISSION TO LEPERS—Founded in 1874, is an inter denominational and international Society for the establishment and maintenance of Homes and Institutions for Lepers and of their untainted children working in 15 countries but largely in India, China, Korea and Japan Its work in India is carried on through co operation with 30 Missionary Societies In India alone the Mission now has 36 Asylums of its own with upwards of 6,000 inmates and is aiding or has some connection with work for lepers at 22 other places in India Altogether in India over 7,000 lepers are being helped

The Mission also provides for the segregation of the healthy children of lepers from their diseased parents More than 800 children are thus being saved from becoming lepers

An important feature of the work of the Mission is the measure of successful medical treatment whereby early cases both adults and children are now benefiting

Most of the Mission's income is received from voluntary contributions Some funds are raised in India, but the bulk of the money expended by the Mission in India is received from Britain, although the provincial Government give regular maintenance grants

There is an Indian Auxiliary of the Mission to Lepers, of which H E Lady Sykes, who represents the Bombay Presidency, is a Vice-President

Hon Treasurer —Henry F Lewis, Esq, 12 Dalhousie Sq, Calcutta

Hon Treasurer, Bombay —R C Lowndes Esq, C/o Messrs Killick, Nixon & Co, Bombay

The General Secretary of the Mission is Mr W H P Anderson 7 Bloomsbury Square London, W C The Secretary for India is Mr A Donald Miller, Purnia, Bihar

THE REGIONS BEYOND MISSIONARY UNION, —An inter denominational Society commenced work at Mothihari, Bihar in 1900, and now occupies 6 stations and 9 out stations in the Champaran and Saran Districts, with a staff of 17 European and 2 Indian Missionaries and 40 other Indian workers The Mission maintains 1 Hospital, 1 Girls' Orphanage, 1 Boys Orphanage and Boarding School with Carpentry industrial department, 1 M E School with 200 pupils Communicants number 80 *Secretary* Rev P O Wynd, Lunkarri Hospital, Bagaha P O, Champaran District

THE RAHAUL MEDICAL MISSION, affiliated with the Regions beyond Missionary Union has 1 Hospital at Rahaul, Champaran District, with 1 married European Doctor 1 European Nursing Sister, and 7 Indian workers

Secretary—Dr H C Duncan

THE NATIONAL MISSIONARY SOCIETY OF INDIA—Established 1905, started, financed and managed by Indian Christians, has a staff of 27 Missionaries and 93 helpers and Voluntary workers operates in Montgomery District (the Punjab), Sirathu and Khaga, (U P), Haluaghat, Mymensingh District (Bengal), Jharsugudah (B & O), Murwahi (C P), North Kanara, Viraygon and Karmali, Talukas (Bombay), Parkal Taluk (Nizam's Dominions) and Tirupattur Taluk (N Arcot) Thirty four Elementary Schools and 1 High School with hostel, one printing press, three Dispensaries and two Hospitals Annual expenditure Rs 80,000 *The National Missionary Intelligencer* (a monthly journal in English sold at Re 1 per year post free), *Qasid* (a monthly journal in Persian-Urdu) at Rs 2 S O, *Deepdar* (a monthly journal in Tamil and Kannarese) at 8 annas per year, post free

Address —N M S Office, Vepery, Madras

President —The Rt Rev Abraham Mar Thoma, M A, D D

General Secretary —Raj Bahadur A C Mukerji, B A *Associate Secretary* Thos David, B A, B D

THE AMERICAN Mennonite Mission—Established 1899, works in the C. Provinces. Mission staff numbers 35, Indian workers 55, Church members 1,400, Industrial Training institutions 2, Academy including High School, Normal School and Bible School—Anglo Vernacular Schools 2, Elementary Schools 11, Orphanages 2, Widow's Home 1, Hospital 1, Dispensaries 7, Leper Home 1, Home for untainted children of lepers 2, Leper Clinic 5

Secretaries—Rev. T. S. Carr, M. A. (Hon.)
Rev. Canon L. B. Butcher, Lieut. Commander,
N. H. Bonham Carter

WOMEN'S CHRISTIAN MEDICAL COLLEGE, WITH WHICH IS INCORPORATED THE PUNJAB MEDICAL SCHOOL FOR WOMEN—In 1894 the North India School of Medicine for Christian Women was opened in Ludhiana in order to give a Medical Education under Christian influences to Indian Women. Doctor Laidlaw Brown, D.B.F., M.A., M.D. was its Founder and Principal. The School was Inter denominational, and trained students for various Missionary Societies.

Clinical work was at first given at the Charlotte Hospital which belonged to the Ludhiana Zenana and Medical Mission. The Memorial Hospital was opened in 1900, and has now 200 beds. In 1913 non-Christian Students were also admitted for training and the name was modified to its present title given above.

In 38 years 236 medical students have qualified as doctors, besides 127 as compounders, 157 as nurses and 431 as dais and midwives.

At present 283 are in training—129 as medical students, 17 as compounders, 53 as nurses and 84 as nurse dais.

New laboratories have been built for Clinical Pathology, for Physiology, and for Chemistry and Physics. New quarters for Sisters, Nurses, Assistant staff and also a new Bibles' Ward. The new Dispensary for out patients has now become very popular.

THE MISSIONARY SETTLEMENT FOR UNIVERSITY WOMEN was founded in Bombay in 1896. Its work is religious, social and educational. The Settlement supplies a hostel for University students of all nationalities and a few Indian professional women. Classes for educated girls are provided and teaching is also given in pupils' homes. The Settlement staff take part in many of the organised activities for women's work in the city. The Social Training Centre is located at the Settlement. The course, lasting a year, includes both theoretical and practical work.

Warden—Miss R. Navalkar, B.A., Reynolds Road, Byculla, Bombay.

THE RAMABAI MURTI MISSION (affiliated with the Christian and Missionary Alliance Mission in 1925) the well known work of the late Pandita Ramabai, shelters about 600 deserted wives, widows and orphans, educating and fitting them to earn their living. The Mission is worked on Indian lines and carried on by Indian and European workers. Evangelistic work is carried on in the surrounding villages of Kedgaon, Poona District.

Miss Eunice Wells, Secretary Treasurer

Disciple Societies

The India Mission Disciples of Christ, under the United Christian Missionary Society, Indianapolis, Indiana, U.S.A., began work in India in 1882. It works in the Central Provinces and South United Provinces. There are 60 missionaries, including missionaries wives, and 268 Indian workers. There are 17 organized churches with the membership of 2,524. There is a Christian community of 5,000. There are 5 hospitals and 8 dispensaries, in which 2,152 in patients, and 50,742 out patients were

treated last year, with a total of 2,17,698 treatments. There is an orphanage for children under 8 years of age, with the older orphans provided for in the boarding schools and hostels. Two boarding schools for girls and one for boys, with 2 hostels for boys and one for girls show 640 inmates. There is one Leper Asylum with 120 inmates. A Tuberculosis Sanatorium admitted 120 patients during the year. An Industrial School is conducted at Damoh in connection with which a 400 acre farm is used for practical work. In the Training Home for women at Kulpahar, needlework, gardening etc., are taught in connection with which a large business is done each year. The Mission Press at Jubbulpore printed about 3,000,000 pages of Christian Literature. 1 Normal, 2 Industrial Schools, 2 High Schools, 5 Middle Schools and 15 Primary Schools, with about 1,916 under instruction.

The Australian Branch has 3 Mission Stations in the Poona District. The Great Britain and Ireland Branch in Mirzapur District of U.P. and Palamou District in Orissa. These two have no organised connection with the India Mission Disciples of Christ.

Secretary and Treasurer D. A. McGarran, I.H.D., Jubbulpore, C.P.

Inter-denominational Missions

THE CENTRAL ASIAN MISSION United with worldwide Evangelical Crusade. Objective: Salvation of Central Asia from Afghanistan to Tibet (including N.E. portion of Peshawar District, North Kashmir etc.). Protestant Evangelical, Inter denominational Headquarters in India, Mardan, N.W.F.P. In London 19, Highland Road, Upper Norwood Branch Stations Landapur, and Gurez N. Kashmir, Kargil, Shigar and Kharapalu Baltistan, Kashmir. Seven European Missionaries on field on furlough. Founded and managed chiefly by officers who have served in frontier parts.

THE FRIENDS' SERVICE COUNCIL—The Friends' Service Council (until recently the Friends' Foreign Mission Association) works in seven stations of the Hoshangabad District, and in Nagpur, where there is a Hostel for College and High School boys.

The Church, which is organised largely on the lines of the Society of Friends in England, is composed of Six Monthly Meetings, united in the Mid-India Yearly Meeting.

There are fifteen Missionaries, of whom two are retired, and four on furlough and the principal activities are a hospital with dispensary and one village dispensary, a boarding school for girls having an Anglo Vernacular Middle and Primary Departments, a hostel for boys, Anglo Vernacular and three Primary Day Schools for boys, and two farming villages in the Seoni Malwa tahsil of the Hoshangabad District. A Weavers Colony at Itarsi, C.P.

There are 170 full members, and 1,387 Christian adherents.

Mission Secretary T. R. Addison, Itarsi, C.P.
Church Secretary Dhan Singh, Friends Mission, Sohagpur, C.P.

Pekulam), Tinnevely (Vallloor Nadakungulam) Districts, in Mysore (Kolar Gold Fields) in Travancore (Nagercoil, Pandalam, Alleppey)

There are 45 missionaries (6 of these on furlough in America) 1 lady doctor (American) 1 male doctor (Indian) 2 nurses 3 zenana workers, 1 American teacher in charge of a School home for the children of the missionaries 1 lady educationalist two training institutes for teacher catechists, 1 Seminary for the training of Pastors Two complete High Schools One hospital with 16 beds, in Ambur

Statistics, November 1934 Souls, 15,941, Baptized 9,319, Catechumens 2,998, adherents 3,937 Indian pastors 2, 7 evangelists, 7, catechists 180 teachers belonging to the Mission, 23 outside teachers, 9 boarding schools

General Secretary—The Rev. George C Schroeder, Nagercoil, Travancore, South India

THE DANISH MISSIONARY SOCIETY, established 1863 in South Arcot, working there and in North Arcot, on the Sherwood Hills and in Madras, has a total staff of 360 Indian and 42 European workers, communicants 2,472, Christian community 6,170 one High School one secondary school, one Bible school for Women, three Boarding School, three Industrial schools, one Orphanage, one hotel 120 Elementary schools, and two Hospital total scholars 4,945

President—Rev. The Rev. P. Lawrence Nelli kuppam

Treasurer—Rev. K. Holberg Madras

THE SANTAL MISSION OF THE NORTHERN CHURCHES (formerly known as the Indian Home Mission to the Santals) founded in 1867, works in the Santal Parganas Birbhum Murshidabad Malda, Pajshahi Dinajpur and Goalpara Work is principally among the Santals Mission staff numbers 46 of whom 5 medical missionaries Indian pastors 21, other Indian workers 500 Christian community in organized congregations 18,500 6 boarding schools with 900 pupils, 130 elementary schools with 2,300 pupils, 1 industrial school with 60 pupils, 1 printing press, 1 orphanage with 30 orphans, 2 hospitals 4 dispensaries, 1 leper colony with 300 lepers, 1 tea garden *Acting Secretary* Rev. J. Gau-dal, Dumka, Santal Parganas

MISSIONS AND ENEMY TRADING ACT—In May 1918, the following notice regarding Missions was published in the "Gazette of India"—"The following missions or religious associations are declared companies under Act 2 (the Enemy Trading Act) of 1916—The Leipzig Evangelical Lutheran Mission, Madras, the Hermannsburg Evangelical Lutheran Mission, Madras, the Schleswig-Holstein Evangelical Lutheran Mission, Madras, the Gosner Evangelical Lutheran Mission of the United Provinces and Behar and Orissa, the German Evangelical Lutheran Mission of Ranchi, Behar and Orissa The Governor General in Council notifies that the powers conferred under Section 7 of the said Act shall extend to the property, movable and immovable, of these missions or religious associations"

In June, 1919 the Government of India stated—"Effect is already being given to the suggestion that enemy missions in India should be taken over by British societies. The proper risks and undertakings of hostile missions have been vested in the Provisional Custodian of Enemy Property with a view to their transfer to boards of trustees composed partly of non-official members nominated by the National Missionary Council of India with the approval of the Government of India and partly of Government officials and those Boards of Trustees will in due course transfer the undertakings and properties to a missionary society to be elected by them with the approval of the Governor-General in Council"

Methodist Societies

The Methodist Episcopal Church is the organization in the United States of America which grew out of the Wesleyan revival in England and her American colonies during the latter part of the eighteenth century. This Church began its work in India in 1856, at first confining its activities to what is now the United Provinces. From that centre it spread until the outposts of its work were found in Baluchistan, Burma, Malaya, Netherlands, India and the Philippine Islands. In 1920 a rearrangement of the mission field of the Church separated India, Burma and Baluchistan into what is now known as the Southern Asia division. Within this present field the Church now has a total baptized Christian community of 525,668

The avowed task of the Church has been the uplift of the depressed classes, and its work has been largely among that class. As a matter of fact, however, it has large numbers who came from the Mohammedans and the caste Hindus, and among such its influence is extending

The educational work of the Church is extensive, it having in this area a total of 1,281 schools of all grades, including three colleges, twenty-two high schools, and numerous normal training and theological institutions. The registered attendants in these schools number 44,524

Special effort is made for the instruction and development of the young people of the Church there now being 336 chapters of the Epworth League with 13,391 enrolled members, and 4,021 organized Sunday Schools with an enrolment 139,422

The publishing interests of the Church are represented in two presses at Madras and Lucknow, the former doing work in four vernaculars and the latter in six. The periodicals issued cover the interests of both the evangelistic and the educational field, the Indian Witness, the Junior Methodist and Christian Education being in English, while the Kinkab Hind, and other periodicals are issued in several of the vernaculars.

The governing body of the Church is the General Conference held quadrennially in America in which the eleven conferences now existing in India are represented by twenty-four delegates. The polity of the Church in India looks forward to complete independence under the general governing body, there at present being

but about three hundred and fifty American men and women as compared to 645 ordained and 4,598 unordained Indian and Burmese workers. At present the area is divided into seventy-two districts each in charge of a superintendent and among whom are many Indians. The work is supervised by three Bishops, elected by the General Conference, and resident as follows: Bishop John W. Robinson, Delhi; Bishop Brenton T. Badley, Bombay; and Bishop Jashwant Rao Chitambar, Jubbulpur.

THE AMERICAN WESLEYAN METHODIST MISSION, Sanjan, Thana District Headquarters Stations with Missionaries, Dandi Maroli, via Nargole, District Thana Pardi, District Surit Six Missionaries on field Two on furlough Four main stations Two Boarding schools One industrial school One Bible School One village farm project Eight village schools Chairman of Field Committee, Rev. P. D. Doti, Sanjan, District Thana.

The Methodist Protestant Mission began work in India in 1919. It has a staff of six missionaries. The work is confined to Dhulia Taluka, with one main station, Dhulia. There are two boarding schools, district evangelistic work and medical work. Secretary, Mrs. Paul Cassen, Dhulia, West Khandesh.

THE WESLEYAN METHODIST MISSIONARY SOCIETY commenced work in India in 1817 (Ceylon in 1814). The Mission in India, apart from Ceylon, is organised into 7 District Synods with 2 Provincial Synods. There is a large English work connected with the Society, 20 ministers giving their whole time to military work and English churches.

The districts occupied include 68 main stations in Bengal, Madras, Mysore, Bombay, Punjab, Central Provinces, Hyderabad (Nizam's

Dominions), United Provinces and Burma. The Burma Synod has recently been attached to the Ceylon Provincial Synod for purposes of administration. Its statistics are no longer included in this statement. The European staff numbers 102 with 75 Indian Ministers and 791 Indian workers. Communicants 18,513 and total Christian community 101,215. There are 7 large numbers of organised Churches many of which are self-supporting.

Educational work comprises 3 Christian Colleges students, 2,033, 5 Theological Institutions, students, 329, 7 High Schools, pupils, 3,127, 14 Industrial schools, pupils, 400, 923 Elementary schools, with 26,180 scholars. In medical work there are 3 hospitals, 12 dispensaries, 1127 in-patients and 65,431 out-patients.

The Women's Auxiliary carry on an extensive work in the places occupied by the W. M. M. S. There are 93 women workers from abroad of whom 16 are qualified doctors. The Indian women workers number 382. There are 109 girls' day schools with 13,377 pupils and 28 boarding schools with 1,079 boarders. There are several philanthropic institutions for the rescue and training of women. The Women's Auxiliary manage 12 hospitals and 9 dispensaries, which had 8,011 in-patients and 97,533 out-patients. The cost of the work to the Women's Auxiliary in 1925 was nearly £25,000.

THE LEPER METHODIST MISSION of North America—Established at Yeotmal, 1893, operates in Berar with a staff of 11 Missionaries and 40 Indian workers. Organised churches 5, 1 Theological school, 1 Girls' Boarding School, 1 Vernacular Middle school, 8 Elementary Schools, 1 Dispensary and 5 centres for Clinic and village health work.

Secretary, Persis M. Phelps, Yeotmal, Berar.

THE SALVATION ARMY

The work of the Salvation Army in India and Ceylon was commenced in 1882 by the late Commissioner Booth Tucker, and was for many years under his control, with Headquarters in India. For some time now, the areas occupied have been divided for administrative purposes into 5 Territories, each under a Territorial Commander, and two smaller Commands.

Northern Territory, with Headquarters at Lahore.

Western Territory, with Headquarters at Bombay.

Madras and Telugu Territory, with Headquarters at Madras.

Southern Territory, with Headquarters at Travancore, in Travancore State.

Ceylon Territory, with Headquarters at Colombo.

Eastern Command, with Headquarters at Calcutta.

Burmah Command, with Headquarters at Rangoon.

The Commanders are directly responsible to the International Headquarters in London.

Northern Territory—The area in this Territory is the Salvation Army work in the Punjab, Delhi and United Provinces. The Territory is controlled from Lahore.

Evangelistic work, especially among the 'depressed classes,' is extensively carried on, both in the Punjab and the U. P.

A number of Settlements for the reformation of 'Criminal Tribes' are under the control of the Salvation Army in the United Provinces (where this important reformatory work was commenced), and also in the Punjab, great progress has been made. A special Settlement has also been opened in the Andamans during the last few years.

A land colony 2,000 acres in extent is in existence in the Multan District, where a population of 1,800 has been settled. The land will ultimately become the property of the holders.

Medical work is carried on in two Hospitals, one of which is in the Punjab and the other in the United Provinces, and also in one dispensary.

Other institutions include Day and Boarding Schools Weaving Schools, Agricultural Colonies, a Hospital for British Military Soldiers, and Civilians at Delhi

Village centres at which the S A Works	1,776
Officers and Employees	580
Social Institutions	22

Territorial Headquarters Icrozepur Road, Lahore, Punjab

Territorial Commander Commissioner A Muthiah

Chief Secretary—Lt Colonel W D Pennel

Western India—The Western India Territory comprises Bombay, Gujerat, Panch Mahals and the Maharashtra

Besides the distinctly evangelistic operations, there are established a large General Hospital—Lmery Memorial, Anand—and several Dispensaries, at which during the year about 41,906 patients are treated, 222 Day Schools, 4 Boarding Schools, a Home for Juvenile Criminals, and Industrial and Rescue Home for Women, a conditionally Released Prisoners Home, the management of the Bombay Helpless Peasants Camp, Weaving Schools, a Factory for the making of Weaving, Warping and Reeling Machines, and a Land Colony having a population of about 390 Salvationists

Corps 280, Outposts, 157 Societies, 508, Officers and Cadets, 746, of whom 675 are Indian, Employees and Teachers, 61, Social Institutions, 16

Territorial Headquarters The Salvation Army, Morland Road, Byculla, Bombay

Territorial Commander Colonel Gnana Dasen (Alfred H Barnett)

Madras and Telugu Territory—This Territory comprises the city of Madras and work situated in the Nellore, Guntur, Kistna and West Godavari Districts of the Northern Circars of the Madras Presidency, also Bangalore

There are the following agencies at work, viz, places in which work is systematically done, both evangelical and education and social—280 Corps and Outposts, 116 village primary schools, 1 Criminal Tribes Settlement, 2 institutions for the training of Officers, 1 Leper Colony at Bapatla taken over by us in 1928, a Women's Industrial Home in Madras, a Boarding Schools for girls, and another for boys of the Salvation Army

Territorial Headquarters The Salvation Army, Broadway, Madras 6, P O Box 206

Territorial Commander Colonel Herbert B Colledge

General Secretary Brigadier H H Rawson

The South India Territory—The Southern (India) Territory embraces the Native States of Travancore and Cochin extending in the South into the Tinnevely District of British India

A well consolidated and growing work for the spiritual and social advancement of the peoples being prosecuted at more than 1,200 centres and appeals are constantly received urging extension to new districts. Marked advances are being made with the erection of Halls and Quarters for Officers

Training Garrisons for men and women are established at Trivandrum and Nagercoil. A monthly edition of the "War Cry" is published in Tamil and Malayalam and other vernacular literature is circulated among the people with gratifying results

Educational activities provide religious and secular instruction for boys and girls at some 300 schools for about 17,000 children. The Boarding School for boys and another for girls at Nagercoil, and a similar institution for boys in Trivandrum, are greatly appreciated, as also is the Students Hospital for young men at Nagercoil

The Lace and Needlework section of the Industrial Department at Nagercoil, continues a useful work, as also does the Industrial Department in Trivandrum, where boys attached to the Boarding School are taught Bookbinding

Meetings are held regularly in the Trivandrum Goal with encouraging results

Work at the Catherine Booth Hospital, Nagercoil and the seven Branch Hospitals is greatly appreciated by all sections of the community. A splendid and up to date Tuberculosis Ward is in course of erection at the Catherine Booth Hospital, also an excellent Administrative Block which will make for increased efficiency. An excellent work is also being done at the Cochin Leper Colony where more than 250 lepers are accommodated. Consideration is being given to the establishment of a Leper Colony in Travancore State

Territorial Headquarters—The Salvation Army, Kuravanconam, Trivandrum

Territorial Commander—Lieut Commissioner Pillai (Mrs Trounce)

provision however is subject to the condition that every European British subject brought for trial before the district magistrate or session judge has the right, however trivial be the charge, to claim to be tried by a jury of which not less than half the number shall be Europeans or Americans. Whilst this change was made in the powers of district magistrates the law in regard to other magistrates remained unaltered. Since 1860 no distinctions of race have been recognised in the civil courts throughout India.

The subordinate courts. Returns are regular sent to them at short intervals and the High Court are able, by examining the returns, by sending for proceedings, and by calling for explanations, as well as from the cases that come before them in appeal to keep themselves to some extent acquainted with the manner in which the courts generally are discharging their duties.

Lower Courts

The Code of Criminal Procedure provides for the constitution of inferior criminal courts and courts of session and courts of magistrate. Every province, outside the Presidency towns, is divided into sessions divisions consisting of one or more districts, and every sessions division has a court of session and a sessions judge with assistance if need be. The sessions courts take the place of the local Assemblies, and are competent to try all accused persons duly committed, and to inflict any punishment authorised by law, but sentences of death are subject to confirmation by the highest court of criminal appeal in the province. Magistrate courts are of three kinds with descending powers. Provision is made and largely utilised in the towns, for the appointment of honorary magistrates, in the Presidency towns Presidency magistrates deal with magisterial cases and benches of Justices of the Peace or honorary magistrates dispose of the less important cases.

Trials before courts of session are either with a jury or *ex officio*. Accused assist, but do not bind the judge by their opinions, and furnish the opinion of the majority prevail. If accepted by the presiding Judge. The Indian law allows considerable latitude of appeal. The prerogative of mercy exercised by the Governor General in Council and the Local Government concerned without prejudice to the superior power of the Crown.

The constitution and jurisdiction of the inferior civil courts varies. Broadly speaking, one district and sessions judge is appointed for each district as District Judge he presides in its principal civil court of original jurisdiction, his functions as Sessions Judge have been described. For the posts members of the Indian Civil Service are mainly selected though some appointments are made from the Provincial Service. Next come the Subordinate Judges and Munsiffs, the extent of whose original jurisdiction varies in different parts of India. The civil courts below the grade of District Judge, are almost invariably presided over by Indians. There are in addition a number of Courts of Small Causes with jurisdiction to try money suits up to Rs. 500. In the Presidency Towns, where the Chartered High Courts have original jurisdiction, Small Cause Courts dispose of money suits up to Rs. 2,000. As Insolvency Courts the chartered High Courts of Calcutta, Bombay and Madras have jurisdiction in the Presidency towns. In the mofussil similar powers were conferred on the District Courts by the Insolvency Act of 1906.

Coroners are appointed only for the Presidency Towns of Calcutta and Bombay. These where their duties are discharged by the ordinary staff of magistrates and police officers unaided by jurors.

After a discussion on this subject in the Legislative Assembly in September 1921 the following motion was adopted:—“That in order to remove all racial distinctions between Indians and Europeans in the matter of their trial and punishment for offences, a committee should be appointed to consider what changes should be made in the provisions of the Code of Criminal Procedure, 1908, which differentiate between Indians and European British subjects and American and Europeans who are not British subjects in criminal trial and proceedings and to report on the basis of the effect to their proposals.” As a result of the recommendations of the Judicial Committee the law on the subject was further modified and by the Criminal Procedure Code Act XII of 1923 in place of the old Chapter XXXIII (55447-463) the new Chapter XXIII (55442-449) with certain supplementary provisions were substituted. The new measure reduced the differences between the trials of Europeans and of Indians under the Code.

High Courts

The highest legal tribunals in India are the High Courts of Judicature. The courts constituted by the Indian High Courts Act of 1861 for Bengal, Bombay and Madras, and later for the United Provinces and the Punjab superseding the old Supreme and Sudder Court. More recently High Courts have been constituted for Patna and Rangoon as well. The Judges are appointed by the Crown, the hold office during the pleasure of the Sovereign, at least one third of their number are barristers, one third are recruited from the judicial branch of the Indian Civil Service, the remaining places being available for the appointment of Indian lawyers. Trial by jury is the rule in original criminal cases before the High Courts, but juries are never employed in civil suits in India.

For other parts of India High Courts have been formed under other names. The chief difference being that they derive their authority from the Government of India not from Parliament. In Burma there is a Chief Court, with three or more judges, in the other provinces the chief appellate authority is an officer called the Judicial Commissioner. In Sind the Judicial Commissioner is termed Judge of the Sudder Court and has two colleagues.

The High Courts are the Courts of appeal from the superior courts in the districts, criminal and civil, and their decisions are final, except in cases in which an appeal lies to His Majesty in Council and is heard by the Judicial Committee of the Privy Council in England. The High Courts exercise supervision over all

Legal Practitioners

Legal practitioners in India are divided into Barristers-at-Law, Advocates of the High Court, Vakils and Attorneys (Solicitors) of High Courts, and Pleaders, Mukhtars and revenue agents. Barristers and Advocates are admitted by each High Court to practise in it and its subordinate courts, and they alone are admitted to practise on the original side of some of the chartered High Courts. Vakils are persons duly qualified who are admitted to practise on the appellate side of the chartered High Courts and in the Courts subordinate to the High Courts. Attorneys are required to qualify before admission to practise in much the same way as in England. The rule that a solicitor must instruct counsel prevails only on the original side of certain of the High Courts. Pleaders practise in the subordinate courts in accordance with rules framed by the High Courts.

Organisation of the Bar

At Calcutta, Madras, and Bombay there is a Bar Committee presided over, *ex officio*, by the Advocate-General. This body is elected by the barristers practising in each High Court, and its functions are to watch the interests of the Bar and to regulate its etiquette. At Allahabad, Lahore, Nagpur, and Rangoon a similar Bar Committee exists, but the electorate is extended to include the vakils or native pleaders, and the president is either the senior practising member of the Bar or the Government Advocate. In the larger Districts and Sessions Courts, an organisation representing the Bar is usually to be found, and in the subordinate Courts, including the Revenue Courts similar machinery is generally in use. Pending an opportunity of detailed inquiries in India, these general descriptions must suffice. The recommendations of the Indian Bar Committee of 1923 relating to the constitution of Bar Councils for the several High Courts in India have been recently adopted by the Indian Bar Courts Act, XXXVIII of 1926.

Composition of the Bar

A considerable change is occurring in the composition of the Indian Bar. The following extract from an informing article in the *Times* (May 25, 1914) indicates the character and incidence of this development: "During the last forty years, a striking change has taken place in the professional class. The bulk of practice has largely passed from British to Indian hands, while, at the same time, the profession has grown to an enormous extent. One typical illustration may be quoted. Attached to the Bombay High Court in 1871 there were 38 solicitors, of whom 10 were Indian and 28 English, and 24 advocates, of whom 7 were Indian and 17 English. In 1911, attached to the same High Court, there were 150 solicitors, of whom more than 130 were Indian and the remainder English, and 250 advocates, of whom 16 only were English and the remainder Indian."

Law Officers

The Government of India has its own law colleague in the Legal Member of Council. All Government measures are drafted in this department. Outside the Council the principal law officer of the Government of India is the Advocate-General of Bengal, who is appointed by the Crown, is the leader of the

local Bar, and is always nominated a member of the Provincial Legislative Council. In Calcutta he is assisted by the Standing Counsel and the Government Solicitor. There are Advocates General and Government Solicitors for Bombay and Madras, and in Bombay there is attached to the Secretariat a Legal Remembrancer and an Assistant Local Remembrancer, drawn from the Judicial Branch of the Indian Civil Service. The Government of Bengal consults the Bengal Advocate-General, the Standing Counsel and the Government Solicitor, and has besides a Legal Remembrancer (a Civil Servant) and a Deputy Legal Remembrancer (a practising barrister). The United Provinces are equipped with a Civilian Legal Remembrancer and professional lawyers as Government Advocate and Assistant Government Advocate. The Punjab has a Legal Remembrancer, Government Advocate and a Junior Government Advocate and Burma a Government Advocate, besides a Secretary to the Local Legislative Council.

Sheriffs are attached to the High Courts of Calcutta, Madras and Bombay. They are appointed by Government, selected from non-officials of standing, the detailed work being done by deputy sheriffs, who are officers of the Court.

Law Reports

The Indian Law Reports are now published in seven series—Calcutta, Madras, Bombay, Allahabad, Patna, Lahore and Rangoon under the authority of the Governor-General in Council. They contain cases determined by the High Court and by the Judicial Committee on appeal from the particular High Court. These appeals raise questions of very great importance, and the Council of Law Reporting for England and Wales show their appreciation by printing the Indian Appeals in a separate volume, and have also compiled a digest of Indian Appeals covering the period 1874-1893. The other Provinces and States have series of reports issued under the authority either of the Judiciary or the State.

Legislative Power

The supreme power of Parliament to legislate for the whole of India cannot be questioned in practice, however, this power is little used, there being a majority of officials on the Imperial Legislative Council—a majority deliberately reserved in the India Councils Act of 1909—the Secretary of State is able to impose his will on the Government of India and to secure the passage of any measure he may frame, regardless of the opinion of the Indian authorities. Legislative Councils have been established both for the whole of India and for the principal provinces. Their constitution and functions are fully described in detailing the powers of the Imperial and Provincial Councils (q.v.). To meet emergencies the Governor-General is vested with the power of issuing ordinances, having the same force as Acts of the Legislature, but they can remain in force for only six months. The power is very little used. The Governor-General-in-Council is also empowered to make regulations, having all the cogency of Acts, for the more backward parts of the country, the object being to bar the operation of the general law and permit the application of certain enactments only.

Bengal Judicial Department

Rankin, The Honble Sir George Claus, Kt., B.A., Bar at Law	Chief Justice	
Ghose, The Honble Mr Justice Charu Chander Kt., Bar at Law	Principal Judge	
Buckland, The Honble Mr Justice Phillip Lindsay, Kt., Bar at Law	Do	
Mukharji, The Honble Mr Justice Mammatha Nath M.A., B.L.	Do	
Costello, The Honble Mr Justice Leonard Wilfred James M.A., B.L., Bar at Law	Do	
Lort Wilham, The Honble Mr Justice John L.C.	Do	
Mallik, The Honble Mr Justice Satyendra Chandra I.C.S.	Do	
Tack, The Honble Mr Justice Peter Ernest I.C.S.	Do	
Mitter, The Honble Mr Justice David Nath M.A., B.L.	Do	
Ghose, The Honble Mr Justice Sarit Kumar M.A., I.C.S.	Do	
Pantridge, The Honble Mr Justice Hugh Richard, Bar at Law	Do	
Patterson, The Honble Mr Justice David Clarke I.C.S.	Do	
Amcer Ali, The Honble Mr Justice Toriel Bar at Law	Do	
Ghosh, The Honble Mr Justice Shaban Chandra I.C.S., Bar at Law	Do	
Guha, The Honble Mr Justice Surendra Nath Rai Bahadur	Do	
Ali, The Honble Mr Justice Kasim	Do	Additional
Bartley, The Honble Mr Justice Charles I.C.S., Bar at Law	Do	(Officiating)
McNair, The Honble Mr Justice George Douglas Bar at Law	Do	do
Roy, The Honble Mr Justice Asot Kumar Parit Law	Do	do
Sircar, Sir N. N., Kt., Bar at Law	Advocate General	
Pox, A. K., Bar at Law	Standing Counsel	(Officiating Judge High Court)
Bose, S. M., Bar at Law	Do	(Officiating)
Basu, A. K., Parit Law	Government Counsel	
Hodson, S. S.	Do	Solicitor
Morgan, H. Carey	Do	do (Officiating)
Dipley, N. G. A., I.C.S.	Superintendent and Incombrancer of Legal Affairs and Judicial Secretary to Government	
Ahundkar, N. A., Parit Law	Deputy Superintendent and Remembrancer of Legal Affairs	
Basu, Dr. Sarit Chandra	Senior Government Pleader	
Sadhu, Ratan Nath Bahadur C.I.I.	Public Prosecutor in the Courts of the Presidency Magistrates in Calcutta	
Sen, Binod Chandra	Junior Public Prosecutor, Calcutta	
Mitra, Sarit Kumar	Editor of Law Reports	
Collet, Mr. A. I.	Registrar (Original Side)	
Ghatak, N. M. B.L., Bar at Law	Master and Official Referee	
Banarji, Sachindra Nath	Assistant Master and Referee	
Ghosh, J. M., Bar at Law	Registrar in Insolvency	
Mitra, K. M. Jai	Deputy Registrar	
Palsett, I.	Assistant Registrar	
Das Gupta, Manmatha Bhushan, M.A., B.L.	Do	
Ahmed, O. U. M.A., (Cil), B.L. (Bel), Bar at Law	Do	
De, Jatindramath	Do	
Ghatak, Niroj Nath, Bar at Law	Do	
Sen Gupta, Subodh Chandra	Do	

D Abrew, P A

Moses, O, Bar at Law

Hindley, N L, M A, I C S

Counsell, Frank Bertram

Badr ud din Ahmad, Khan Bahadur, B A

• Young, T T

Chakralatti, Pijay Prashna

Morgan, C Carey

Surita, O R

Tukner George McDonald Bar at Law

Mukharji Kanti Chandra (Advocate)

Secretary to the Honble Chief Justice
and Head Clerk, Decree Department

Clerk of the Crown for Criminal Sessions

Registrar and Exam Officer Appellate
Jurisdiction

Deputy Registrar

Assistant Registrar, Appellate Side,
English OfficeAssistant Registrar (Paper Book and
Accounts Department)Senior Peon Clerk, and *Pro officio*
Assistant Registrar Appellate Side
(On probation)Administrator General and Official
Trustee (Officiating)Deputy Administrator General and
Official Trustee (Officiating)

Official Assessor

Official Receiver

Bombay Judicial Department

Beaumont The Honble Sir F W B Kt, K C M A
(Cant)Plickwe, The Honble Mr Justice Cecil Patrick Bar at
LawRanguekar, The Honble Mr Sayaji Shankar B A B P
Bar at Law

Murphy The Honble Mr Justice Stephen James I C S

Proomfield The Honble Mr Justice R S B A, Bar at
Law, I C S

Wadia, The Honble Mr Justice Homayji Jamshedji

Barlee The Honble Mr Justice Kenneth William, B A
(Dub), Bar at Law I C SKanti The Honble Mr Justice Harilal Tarkisandas
B ADivatia, The Honble Mr Justice Harsidhbhai Vajubhai
M A, I C SWadia, The Honble Mr Justice, Navroji Ishangir,
Bar at Law, I C S

Kanga, Sir Jamshedji Behramji Kt, M A B P

Godfrey Davis I C S

Rajadhyaksha, G S M A Bar at Law, I C S

Louis Walker, G

Charles M Fastly

Vakil, J H Bar at Law

O Gorman G C, Bar at Law

Mallabari Khan Bahadur P B, Bar at Law

Abuvalla N B

Vesuvalla N A

Vaidya G A

Shingne, The Honble Padmanabhi Bhaskar I C B

Lobo, C M, LL B

Chief Justice

Puisne Judge

Do

Do

Do

Do

Do

Do

Do

(Officiating Additional
Judge)

Do (Officiating)

Advocate General

Remembrancer of Legal Affairs

Deputy Secretary to Government Legal
Department Also Secretary to the
Legislative Council, Bombay (In
addition)Government Solicitor and Public
Prosecutor (On leave)

Do (Officiating)

Clerk of the Crown

Editor, Indian Law Reports

Official Assignee

Deputy Official Assignee

1st Assistant to Official Assignee

2nd Assistant to Official Assignee

Government Pleader, Bombay

Government Pleader and Public Pro-
secutor, Karachi

Mitchell, H C B	Administrator-General and Official Trustee, in addition to his duties as Registrar of Companies
Ranchhodbhai Bhaibabhai Patel, R B, M A, LL B, Bar at Law	Prothonotary and Senior Master
Ratanji Sorabji Dadachunji, LL B, Bar at Law	Master and Registrar in Equity and Commissioner for taking Accounts and Local Investigator
Ravey, E	Master and Assistant Prothonotary (On leave)
Vacant	Taxing Master
Kundanmal Alumar Bhojwani, LL B, Bar at Law	Insolvency Registrar
Sequeira, A T, B A, LL B, Attorney at Law	Assistant Taxing Master (Officiating Taxing Master)
Vakil, H A, Bar at Law	First Assistant Master (Officiating Master and Assistant Prothonotary)
Tahir Ali Fatchi LL B	Second Assistant Master (Officiating First Assistant Master)
Majmudar, J H, Bar at Law	Third Assistant Master (Officiating 2nd Assistant Master)
Nakra, N B, K S	Associate Offg 3rd Assistant Master
Gadre, J G	Do (On leave)
Rahimtoola, S J, B A, LL B, Bar at Law	Do
Mahadevi, M A, LL B	Do (Officiating)
Ayyar, A R N	Officiating Associate
Kirtikar, A H, Bar at Law	Do
Suleman Cassum, Haji Mitha, The Hon ble Sir Sardar, Kt, C I E	Sheriff
Ardesur Phirozshah Mehta, K B	Deputy Sheriff
Nagarkar, C B, I C S, J P	Registrar, High Court, Appellate Side
Ahrajlal Lalbhai Mehta B A, LL B	Deputy Registrar and Sealer, Appellate Side, and Secretary to Rule Committee
Ahalye, K A, B A, LL B	Assistant Registrar (Officiating)

COURT RECEIVER AND LIQUIDATOR AND ASSISTANTS

Wadia, H H, M A, Bar at Law	Court Receiver and Liquidator
Chunoy, A T J, LL B	First Assistant to do
Appabhai G Desai, Bar at Law	Second Assistant to do
Engineer, S D, B A, LL B	Third Assistant to do

COURT OF THE JUDICIAL COMMISSIONER OF SIND

Ferrers, V M, M A (Cantab), I C S	Judicial Commissioner of Sind
Aston, Arthur Henry Southcote, M A (Oxon), Bar at Law	Additional Judicial Commissioner of Sind
Rupchand Bilaram, B A, LL B	Addl Judicial Commissioner of Sind
Milne, R B, M A (Aber), I C S	Do do (On leave preparatory to retirement)
Mehta, Dadiba C, M A, LL B	Do do (Officiating)

Madras Judicial Department

Beasley, The Hon'ble Justice Sir H O C, Kt, Bar at Law	Chief Justice
Ramesam, The Hon'ble Sir V, Kt	Judge
Venkatasubba Rao, The Hon'ble Mr Justice M, B A, B L	Do
Madhavan Nair, The Hon'ble Mr Justice C, Bar at Law	Do
Dr Krishnan Pandarai, The Hon'ble Mr Justice (Bar at Law), Rao Bahadur	Do
Jackson, The Hon'ble Mr Justice G H B, I C S	Do
Reilly, The Hon ble Mr Justice H D C, I C S	Do
Ananthakrishna Ayyar, The Hon ble Mr Justice C V, Rao Bahadur	Do

Curgenvin, The Hon'ble Mr Justice A J, I C S	Judge (On leave)
Cornish, The Hon'ble Mr Justice H D	Do
Sundaram Chetti, The Hon'ble Mr Justice K, D W in Bahadur	Do
Stone, The Hon'ble Mr Justice Gilbert	Do
Walsh, The Hon'ble Mr Justice E P	Do
Krishnaswami Ayyar, Sir Alladi, Kt, B A, B L	Advocate General
Rangaswami Ayyangar, S, B A, B L	Administrator General
Thomas, Arthur	Government Solicitor
Naidu, Venkataramana Rao P, B A, B L	Government Pleader
Rama Rao, K W	Law Reporter
Bewes, L H, Advocate	Public Prosecutor
Madhava Menon, K P, Bar at Law	Crown Prosecutor
Aingar, R N, Bar at Law	Editor, Indian Law Reports, Madras Series
Rajagopalan, G, B A, M I	Law Reporter
Viswanatha Ayyar, A S, B A, B L	Do
Seshu Ayyangar, K V	Secretary, Rule Committee
Balasundaram Naidu, M	Sheriff of Madras
White, G S	Registrar, High Court
Srinivasa Ayyer	Assistant Registrar, Appellate Side
Appa Rao, D, Bar at Law	Master, High Court
Satnamurti Ayyar, R, M A, M I	Deputy Registrar, Appellate Side
Sankaranarayana, B C, M A, I L B, Bar at Law	Official Referee
Ganapati, K N, Bar at Law	First Assistant Registrar, Original Side
Jayaram Ayyar, R, M A, B L	Assistant Registrar, Appellate Side
Nambiyar, K C, Bar at Law	Acting Second Assistant Registrar, Original Side

Assam Judicial Department

Lethbridge, M H B, I C S	Officiating Secretary to Government Legislative Department, and Officiating Secretary to the Assam Legislative Council, Superintendent and Remembrancer of Legal Affairs, Administrator-General and Official Trustee, Assam
Masli, Syed Mahomed, Bar at Law	District and Sessions Judge, Sylhet and Cachar
Mitra, B M, I C S	Officiating District and Sessions Judge, Assam Valley Districts
Murshud, K G, I C S	Temporary Second Additional Judge, Sylhet and Cachar
Ghosh, Rajani Kumar	Additional District and Sessions Judge, Sylhet and Cachar
Biswas, Debendra Chandra	Temporary Third Additional Judge, Sylhet and Cachar
Barua Sriyut Jogendra Nath	Temporary Additional District and Sessions Judge, Assam Valley Districts

Bihar and Orissa Judicial Department

Terrell, The Hon'ble Sir Courtney, Kt	Chief Justice
Wort, The Hon'ble Mr Justice Alfred William Dewart, Bar at Law	Puisne Judge
Sahay, The Hon'ble Mr Justice Kulwant	Do Leave preparatory to retirement
Macpherson, The Hon'ble Mr Justice Thomas Stewart, C I F, I C S, Bar at Law	Puisne Judge
Fazl Ali, The Hon'ble Mr Justice Saïyid, Bar at Law	Do
Khwaja Muhammad Nur, C B E, The Hon'ble Mr Justice, Khair Bahadur	Do
James, The Hon'ble Mr Justice John Francis William, I C S, Bar at Law	Do

Dhawle, The Hon'ble Mr Justice Sankara Balajee, I C S	Puisne Judge	Leave preparatory to retirement
Agarwala, The Hon'ble Mr Justice Clifford Mannoharan, Bar at Law	Do	
Stunders, The Hon'ble Mr Justice John Alfred, B A, I C S	Do	Acting Additional
Sukhdev Prashad, Varma, The Hon'ble Mr Justice, Bar at Law	Do	Acting
Meredith, H R, I C S	Registrar	
Saudagar Singh	Deputy Registrar	
Naresh Chandra Ray, M A, B L	Assistant Registrar	
Rudra Prasanna Misra, B L	Assistant Registrar, Orissa Circuit Court	
Satyid Sultan Ahmad, Sir, Kt, Bar at Law	Temporary Additional Munsif of Cuttack, in addition to his own duties	
Sayid Jaffar Imam, Bar at-Law	Government Advocate	
Rai, Guru Sharan Prashad	Assistant Government Advocate	
	Government Pleader	

Burma Judicial Department.

Page, The Hon'ble Sir Arthur, Kt KC	Chief Justice, Rangoon	
Herid, The Hon'ble Sir Benjamin Herbert, M A, I C S, V D	Judge (On leave)	
Cunliffe, The Hon'ble Sir John Robert Ellis, Bar at-Law	Do	Rangoon
Das, The Hon'ble Mr Justice Tyotis Ranjan, Bar at Law	Do	do
Bu, The Hon'ble Mr Justice Mya, Bar at-Law	Do	do
Shaw, The Hon'ble Mr Justice Joseph, Bar at-Law	Do	do
Baguley, The Hon'ble Mr Justice John Minty, Bar at-Law, I C S	Do	(On leave)
Sen, The Hon'ble Mr Justice Surendra Nath, Bar at Law	Do	Rangoon
Mosely, The Hon'ble Mr Justice A G, I C S	Do	(On leave)
U The Hon'ble Mr Justice Ba, Bar at-Law	Do	Rangoon
Leach, the Hon'ble Mr Justice Alfred Henry Monel, Bar at-Law	Do	do
Dunkley, The Hon'ble Mr Justice H I, Bar at Law	Do	do
Mackney, the Hon'ble Mr Justice Herbert Hoddy, I C S	Do	do
Eggar, A, M A, Bar at-Law	Government Advocate	
Dun, U Ba, Bar at Law	Deputy Government Advocate and Secretary to Burma Legislative Council	
Gaunt, C H, LL B	Assistant Government Advocate	
Byu, U Tun, Bar at Law	Do	
Pe, U On, Bar at-Law	Administrator General and Official Trustee, Burma and Official Assignee and Receiver, High Court, Rangoon (Officiating)	
Thein, U Myint, M A, LL B, Bar at-Law	Public Prosecutor, Rangoon	
Tun, U Ba, Bar at-Law	Assistant Public Prosecutor, Rangoon	
Barretto, Charles Lionel	Public Prosecutor, Moulmein	
Lutter, Henry Millard, V D	Public Prosecutor, Mandalay	
Mitter, K L, B L	Assistant Public Prosecutor, Mandalay	
Murphy, J T C, Bar-at Law, I C S	Registrar, High Court, Rangoon	
Goldsmith, W S	Registrar, Original Side, High Court, Rangoon	
Maung, U San, B SC, I C S	Deputy Registrar, General Department	
Maung, U Thein, (B5), B L	Registrar, Small Cause Court, Rangoon	
Sein, L Hoke, B A, B L	First Deputy Registrar	
Me, U, A T M	Second Deputy Registrar On leave preparatory to retirement	
Kirkham, G P, B SC, B L	Third Deputy Registrar (Officiating, 2nd Deputy Registrar)	
Kha, U, B A	Assistant Registrar, Appellate Side	
Thein, U Ba (5)	Assistant Registrar, Original Side	
Kyan, L Hone, B L	Assistant Registrar, Original Side (Officiating third Deputy Registrar)	
Khin, Daw Me Me, B L	Assistant Registrar, Original Side	
Montero, R P W, B L	Do	do

Central Provinces Judicial Department.

Macnair, Sir Robert Hill, Bar at Law, Kt, ICS
 Grille, Frederick Louis, M A (Cantab), Bar at Law, ICS
 Jackson, R J, B A (Oxon), Bar at Law, ICS, J P

Subhedhar, Ganpat Lakshman, Bar at Law
 Niyogi, M Bhawanishankar, M A, LL B

Staples, F H, M A (Oxon), Bar at Law, ICS, J P
 Pollock, R E, ICS

Bose, Vivian, Bar at Law

Emeon, C R, ICS
 Deo, V N, B SC, LL B
 Lobo, P

Sundaram, K V K, ICS
 Kier, R K, B A, LL B

Judicial Commissioner (On leave)
 Officiating Judicial Commissioner
 Additional Judicial Commissioner (On leave preparatory to retirement)
 Additional Judicial Commissioner
 Additional Judicial Commissioner (On leave)
 Additional Judicial Commissioner
 Officiating Additional Judicial Commissioner
 Officiating Additional Judicial Commissioner
 Legal Remembrancer
 Assistant Legal Remembrancer
 Government Advocate and *ex officio* Standing Counsel
 Registrar
 Deputy Registrar

N-W Frontier Province Judicial Department.

Middleton, L ICS
 Snad ud Din Khan, K B, B A, LL B
 Narain Dass, L

Judicial Commissioner
 Additional Judicial Commissioner
 Registrar

Punjab Judicial Department.

Young, The Hon'ble Mr Justice John Douglas, Bar at Law

Addison, The Hon'ble Mr Justice James, M A, B SC (Aberd)

Tek Chand, The Hon'ble Mr Justice Bakshi, M A, LL B,
 Coldstream, The Hon'ble Mr Justice John, B A (Oxon) ICS

Jai Lal, The Hon'ble Mr Justice, Rai Bahadur, B A
 Dalip Singh, The Hon'ble Mr Justice Kanwar, B A, Bar at Law

Agha Haidar, The Hon'ble Mr Justice Syed, M A (Ald), M A, LL B (Cantab), Bar at Law

Monroe, The Hon'ble Mr Justice, J H, B A, LL B (Dublin), K C, Bar at Law

Skemp, The Hon'ble Mr Justice F W, M A (Manchester), ICS

Abdul Qadir, The Hon'ble Mr Justice Shaikh Sir, B A, Bar at Law, Kt

Bhude, The Hon'ble Mr Justice M V, B A (Bombay and Cantab), ICS

Hilton, The Hon'ble Mr Justice G C, B A (Oxon), ICS

Currie, The Hon'ble Mr Justice M M L, B A (Oxon), ICS

Abdul Rashid, The Hon'ble Mr Justice Mian, M A, Bar at Law

Ranghial, The Hon'ble Mr Justice, M A (Pb)
 Creagh Coen, Mr T B, M A (Oxon), ICS

Webb, Mr Kenneth Cameron
 Ranjit Rai, Lala, B A (Hons), LL B

Evannette, Mr George Bertram Charles
 Anderson, J D, B A, (Oxon) ICS

Ram Lal Diwan, B A (Oxon), Bar at Law
 Din Mohammed, Khan Bahadur, M A, LL B, Advocate

Edmund, Norman, Bar at Law

Des Raj, Mr, Sawney, Bar at Law

Chief Justice

Judge, High Court

Do

Do

Do

Do

Do

Do

President, Sikh Gurdwara Tribunal

Additional Judge, High Court

Do

Do

Do

Do

Do

Registrar

Deputy Registrar

Assistant Registrar

Assistant Deputy Registrar

Legal Remembrancer and Secretary,

Legislative Department

Government Advocate, Punjab

Assistant Legal Remembrancer (Legis

lative, Punjab)

Assistant Legal Remembrancer, (Cases)

Punjab Administrator General and

Official Trustee, Punjab

Public Prosecutor, High Court

United Provinces Judicial Department.

HIGH COURT JUDICATURE AT ALLAHABAD

Sulaiman, The Hon'ble Sir Shah Muhammad, Kt , M A , LL B , Bar at Law	Chief Justice
Mukharji, The Hon'ble Sir Lal Gopal, Kt , Rai Bahadur, B A , LL B	Puisne Judge
Kendall, The Hon'ble Mr Justice Charles Henry Bayley , J P , I C S	Do
King, The Hon'ble Mr Justice Carleton Moore, C I F , J P , I C S	Do
Thom, The Hon'ble Mr Justice John Gibb, M A , LI B , D S O , M C	Do
Niamat-Ullah, The Hon'ble Mr Justice Chaudhri B A , LI B	Do.
Bennet, The Hon'ble Mr Justice Edward, B A , II B , Bar at Law, J P , I C S	Do
Iqbal Ahmad, The Hon'ble Mr Justice B A , II B	Do
Kisch, The Hon'ble Mr Justice Barthold Schesinger, B A , C I F , J P , (I C S)	Acting Puisne Judge
Bajpai, The Hon'ble, Umashankar Mr Justice, M A , II B	Do do
Joshi, Dr Lachmi Dat, Rai Bahadur, B S C , LL B , Bar at Law	Registrar (Offg)
Mills, Standley Edward Jervis	Deputy Registrar
Bower, Denzil Mowbray	Assistant Registrar
Muhammad Ismail, Khan Bahadur, Bar at Law	Government Advocate
Wah Ullah, Dr M , M A , B O L , I L , B , Bar at Law	Assistant Government Advocate
Shanker Saran, M A (Oxon) , Bar at Law	Government Pleader
Mukharji, Benoy Kumar, M A , II B	Law Reporter
Mukhtar Ahmad, B A , II B	Assistant Law Reporter
Desanges, H C , Bar at Law	Administrator-General and Official Trustee
Chlene, O M	Ditto (Officialing)

CHIEF COURT OF OUDH—LUCKNOW

Wazir Hasan, The Hon'ble Sir Saiyid, Kt , B A , LL B	Chief Judge
Muhammad Raza, The Hon'ble Justice Khan Bahadur Saiyid, B A , LI B	Judge
Srivastava, The Hon'ble Mr Justice Bisheshwar Nath, B A , LL B , O B I	Do
Nanavatty, The Hon'ble Mr Justice Erach Manek shah, B A , I C S	Do
Smith, The Hon'ble Mr Justice Harold Gordon, J P , I C S	Acting Judge
Upadhyay, Rai Bahadur Pandit Manmatha Nath, B A , LL B	Registrar
Phillips, Samuel	Deputy Registrar
Thomas, George Hector, Bar-at Law	Government Advocate
Ghosh, Hemanta Kumar, Bar at Law	Asstt Govt Advocate
Srivastava, Bishambhar Nath Babu, B A , LL B	Law Reporter

NUMBER AND VALUE OF CIVIL SUITS INSTITUTED

Administrations	Number of suits instituted							Number of suits of which the value cannot be estimated in money	Total Number of Suits instituted	Total Value of Suits							
	Value not exceeding Rs 10		Value Rs 10 to Rs 50		Value Rs 50 to Rs 100		Value Rs 100 to Rs 500				Value Rs 500 to Rs 1,000		Value Rs 1,000 to Rs 5,000		Value above Rs 5,000		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)				(8)	(9)	(10)				
1 Bengal	113,500	311,082	141,387	138,004	13,104	8,699	1,960	656	729,588	12,77,49,142							
2 Bihar and Orissa	38,451	78,925	36,880	43,781	6,201	4,071	819	38	209,166	4,58,10,693							
3 United Provinces	7,968	75,582	66,006	91,813	12,111	9,210	2,101	89	265,783	13,70,70,111							
4 Punjab	9,680	56,139	53,225	90,158	17,431	8,272	1,107	115	238,317	8,33,03,730							
5 Delhi	159	2,965	2,156	4,356	403	352	110	6	10,670	51,05,552							
6 North West Frontier Province	1,851	4,349	4,344	7,067	784	828	182	19,105	19,105	69,58,516							
7 Burma	1,067	10,571	10,164	23,573	4,753	3,457	529	718	34,956	3,29,00,661							
8 Central Provinces and Berar	8,734	43,820	28,317	40,410	6,126	1,874	880	1	133,201	4,07,73,182							
9 Assam	2,840	18,335	10,901	13,034	1,618	701	94	82	48,545	81,61,397							
10 Ajmer Merwara	1,437	2,913	2,155	2,848	122	96	14	21	9,036	11,93,061							
11 Coorg	178	1,116	651	359	52	36	12	1	2,635	4,51,807							
12 Madras	86,192	258,202	85,123	136,217	18,134	13,437	2,914	623	509,842	17,09,54,857							
13 Bombay	16,226	74,887	50,553	80,147	13,560	9,611	1,345	3,438	249,797	7,23,15,291							
14 British Baluchistan	388	1,522	1,104	704	104	56	31	161	4,129	5,58,510							
TOTAL, 1931	288,603	940,961	490,126	674,331	94,523	63,956	11,640	5,779	(a) 2,576,207	67,03,80,330							
1929	272,604	800,581	488,956	690,635	99,280	69,808	12,900	6,107	2,510,131	70,50,07,505							
1928	255,191	530,343	480,110	677,267	97,800	70,703	11,217	6,815	2,411,270	79,69,45,759							
1927	258,452	511,721	458,760	639,470	93,715	67,539	12,982	7,216	(b) 2,349,155	72,00,41,516							
1926	246,508	791,116	440,140	601,587	90,022	64,441	12,756	7,382	2,246,018	82,46,99,569							
1925	259,130	849,294	471,970	644,536	102,751	66,735	12,775	7,761	2,415,356	71,00,35,489							
1924	243,780	791,991	423,613	563,777	84,169	60,301	12,345	7,174	2,187,236	63,56,48,827							
1923	232,558	775,709	415,058	541,405	80,840	57,955	11,780	6,551	(c) 2,121,908	67,78,04,777							
1922	226,196	799,914	432,905	567,826	86,270	62,467	12,865	5,934	2,104,176	70,90,84,704							
1921	212,499	752,504	424,410	552,240	82,843	60,271	12,621	5,000	2,104,184	68,50,21,154							

* Details not given of 21,206 Madras suits in 1921 and of 6,417 Bombay suits in 1921, 7,104 in 1922, 6,554 in 1923, 6,014 in 1924, 5,628 in 1925, 4,809 in 1926, 4,581 in 1927, 4,047 in 1928, 3,693 in 1929 and 3,725 in 1930

(a) Includes 3,104 suits of "Superior Courts"

(b) 43 cases transferred to 40 District Courts

(c) 2 suits instituted in the court of one Hon. Munsif

THE INDIAN POLICE.

Origins—Cornwallis was the first Indian administrator to take the burden of policing the country off the zemindars and to place it on Government. He ordered the District Judges of Bengal in 1793 to open a Thana (Police Station) for every 400 square miles of their jurisdiction, and to appoint stipendiary Thanadars (Police Station Officers) and subordinates.

In Madras in 1816, Sir Thomas Munro took superintendence of police out of the hands of the sedentary judges and placed it in the hands of the peripatetic Collector, who had the indigenous village police system already under his control. In this way the Revenue Department controlled the police of the districts and still to some extent does so, especially in Bombay Presidency.

In Khandesh from 1826-36 Outram of Mutiny fame showed how a whole time military commandant could turn incorrigible marauders into excellent police, and Sir George Clerk, Governor of Bombay in 1848, applied the lesson by appointing full time European Superintendents of Police in many Districts.

Madras had a torture scandal in 1853 which showed that 3 Collectors had no time for real police superintendence, in 1859 the principle of full time European superintendence was introduced in a Madras Act of that year and the control of the Collector was removed.

The Mutiny led to general police overhaul and retrenchment and the Madras Act was mainly followed in India Act V of 1861, "An Act for the Regulation of Police", which still governs police working everywhere in India except Madras and Bombay, which has its own Police Act (IV of 1890).

Working—Strictly speaking there is no Indian Police. With the doubtful exceptions of the Delhi Imperial Area Police, and the advisory staff of the Intelligence Bureau attached to the Home Department, the Government of India has not a single police officer directly under its control. The police provided for by the 1861 Act is a provincialised police, administered by the Local Government concerned, subject only "to the general control" of the Governor General.

Within the Local Government area the police are enrolled and organised in District forces, at the head of each of which is a District Superintendent of Police with powers of enlistment and dismissal of constabulary, and Police Station Officers may also be dismissed by the D S P.

The D S P is subject to dual control. The force he commands is placed at the disposal of the District Magistrate for the enforcement of law and the maintenance of order in the District. But the departmental working and efficiency of the force is governed by a departmental hierarchy of Deputy Inspector General of Police, Inspector General of Police, and Home Department. Generally speaking, the D S P has to correspond with his District Magistrate on judicial and magisterial topics, and with his departmental chiefs on internal working of his force.

The C I D—The Curzon Police Commission of 1902-3 modernised police working by providing for the direct enlistment and training of Educated Indians as Police Station Officers, and by creating specialised police agencies under each Local Government for the investigation of specialist and professional crime. These agencies are known as **Criminal Investigation Departments** and work under a Deputy Inspector-General. They collate information about crime, edit the *Crime Gazette*, take over from the District Police crimes with ramifications into several jurisdictions, and they control the working of such scientific police developments as the Finger Print Identification Bureau.

Headquarters and Armed Police—At the chief town of each District the D S P has his office and also his Headquarter Police Lines and parade ground. This is the main centre for accumulation and distribution to the Police Stations and Outposts of the District of clothing, arms, ammunition, and accoutrements. Here are the Stores and the Armoury. Here also constabulary recruits enlisted by the D S P are taught drill, deportment, and duties and are turned out to fill vacancies. The Headquarter Lines also contain the two hundred or so armed police who mount guard on Treasuries in the District, and also provide prisoner and treasure escort. Actually they form a small and mobile local army equipped with muskets (single loading) and bayonets. The most highly trained section of them go through a musketry course and are armed with 303 service rifles. At most head quarters, but by no means all, there is also a reserve of mounted and armed police.

Thanas and Thanadars—Almost throughout India the popular terms for Police Station and Police Station Officer are "Thana" and "Thanadar". It is at the Police Station that the public are most in touch with the police and the police with the public. Whether it be in a large city or in a mofussil hamlet the Thana is the place where people come with their troubles and their grievances against their neighbours or against a person or persons unknown. In dealing with such callers, the Thanadar, who like police of all ranks, is supposed to be always on duty, is chiefly guided by the Fourteenth Chapter of the Code of Criminal Procedure, and the Second Schedule at the end of that Code. This schedule shows nearly all penal offences and states whether or not they are "cognisable by the police". The fourteenth Chapter lays down that a cognisable complaint must then and there be recorded, visited, and investigated. A non cognisable complaint is merely noted in a separate book and the complainant is told to go to court.

Police Prosecutors—The complainant in a cognisable case not only has his complaint recorded but investigated without payment of fee. If the Thanadar succeeds in establishing a *prima facie* case against the accused, the prosecution in court is conducted free of charge by a police prosecutor, who is generally a junior pleader, engaged by Government to conduct police cases in the lower courts. Cases committed

Province	Inspector-Generals and Deputy Inspectors-Generals	Superintendents	Assistant Superintendents of Police	Deputy Superintendents of Police	Inspectors	Sub-Inspectors	Peons	Head Constables	Constables	Total	Grand total Cost Rs.	Proportion of Police	
												to area	to population
Assam	1	14	11	9	51	278	1	720	7,486	1,380	25,30,072	1 to 117	1 to 1,965,008
Bengal (excluding Calcutta)	2	15	17	29	258	1,826	16	2,628	19,707	21,507	1,61,99,187	1 to 29	1 to 1,080,411
Bihar	5	20	25	28	180	1,159	17	1,571	11,111	14,150	82,16,823	1 to 77	1 to 2,367
Bombay (excluding Bombay)	5	35	11	31	178	731	61	1,017	17,866	23,021	1,31,52,252	1 to 77	1 to 880
Burma (excluding Rangoon)	6	10	33	66	220	1,020	18	1,737	9,775	13,171	1,60,13,461	1 to 181	1 to 1,071
C P	4	23	17	18	117	748	31	1,729	8,612	11,129	58,00,231	1 to 91	1 to 1,768
Madras	7	35	32	47	279	1,132	207	3,203	23,111	25,056	1,66,89,178	1 to 10	1 to 1,176
N W F	1	8	7	11	36	178	5	717	6,105	7,101	35,05,933	1 to 23	1 to 117
Punjab	5	36	16	51	135	813	10	3,131	18,236	22,819	1,22,70,037	1 to 13	1 to 1,032
U P	6	58	41	70	210	2,076	10	2,618	22,639	23,788	1,55,99,110	1 to 31	1 to 1,311
	17	323	210	366	1,718	11,191	169	23,091	117,071	181,511	10,86,27,477	1 to 67	1 to 1,289

The figures have been brought up to 1931

PRINCIPAL POLICE OFFENCES

Cases

Administrations	Offences against the State and Public Tranquillity		Murder		Other serious Offences against the Person		Dacoity		Cattle Theft		Ordinary Theft		House trespass and House breaking with intent to commit an offence	
	Reported	Conviction obtained	Reported	Conviction obtained	Reported	Conviction obtained	Reported	Conviction obtained	Reported	Conviction obtained	Reported	Conviction obtained	Reported	Conviction obtained
Bengal	2,859	935	777	54	7,227	1,712	2,032	148	1,078	506	20,303	4,428	33,470	2,184
Calcutta Town and Suburbs	135	81	27	6	4,372	1,117	641	100	24	19	3,645	1,195	623	296
Bihar and Orissa	1,652	615	376	74	8,420	2,582	1,173	286	746	270	12,861	2,688	20,470	1,465
United Provinces	2,713	849	1,145	303	9,420	3,105	226	102	4,970	943	16,763	3,461	37,170	3,730
Punjab	2,908	1,029	912	378	9,230	3,105	226	102	3,847	1,293	7,777	2,384	20,594	3,122
Delhi	28	8	18	6	328	66	11	3	18	9	876	223	768	108
N West Frontier Province	277	103	618	242	2,531	1,090	155	29	302	66	1,738	463	2,580	273
Burma	919	550	1,558	178	11,779	4,631	4,657	517	4,046	1,044	11,992	3,772	8,460	2,948
Rangoon	75	27	45	7	976	213	30	2			*2,738	*680	812	167
Central Provinces and Berar	832	456	312	141	3,332	1,267	71	41	1,087	427	18,545	2,090	10,019	1,475
Assam	931	299	121	34	1,963	576	123	25	380	154	5,489	1,084	6,478	739
Coorg	7		4		65	20	2		14	3	133	44	60	16
Madras	2,134	702	1,190	201	7,030	1,786	341	29	3,765	1,367	18,226	4,302	10,740	1,920
Bombay	1,627	555	651	226	6,341	1,960	339	103	3,099	1,148	10,569	4,052	11,529	2,190
Bombay Town and Island	120	65	46	14	1,017	334	6	3			3,809	1,430	1,515	260
Palestine	19	4	18	3	84	21			16	1	406	134	218	53
Ajmer-Merwara	20	14	15	3	168	36	14		148	11	1,071	236	951	87
TOTAL, 1931	17,095	6,592	7,833	1,960	65,733	20,769	9,823	1,386	24,440	7,861	136,941	32,616	166,481	21,033
1929	14,752	5,400	6,422	1,877	64,438	20,053	3,223	779	27,196	8,573	152,948	37,527	171,880	22,596
1928	15,070	5,384	6,451	1,896	64,799	19,348	3,238	714	27,645	8,498	151,989	36,729	168,990	23,347
1927	14,993	5,375	6,257	1,785	62,011	18,506	3,606	776	25,456	7,642	154,932	38,044	168,746	22,429
1926	14,757	5,048	6,227	1,738	58,980	17,295	3,450	746	28,652	7,539	152,853	37,339	169,611	21,786
TOTALS	15,113	5,207	5,939	1,629	57,791	15,818	3,670	719	24,281	7,339	159,403	38,177	180,123	21,620
1924	15,272	5,217	5,899	1,673	56,597	15,465	4,367	719	25,549	6,623	169,195	39,564	190,878	21,809
1923	14,774	4,913	5,803	1,536	54,113	14,528	4,408	877	21,876	6,433	169,589	37,734	193,112	20,405
1922	15,051	5,362	5,952	1,519	53,213	14,645	5,355	891	23,181	7,073	181,845	39,929	206,929	21,024
1921	13,937	5,114	6,063	1,642	50,694	14,382	3,574	953	26,534	8,160	191,641	44,204	221,776	23,346

* Includes figures "for cattle theft".

JAILS

Jail administration in India is regulated generally by the Prisons Act of 1894, and by rules issued under it by the Government of India and the local governments. The punishments authorized by the Indian Penal Code for convicted offenders include transportation, penal servitude, rigorous imprisonment (which may include short periods of solitary confinement), and simple imprisonment. Accommodation has also to be provided in the jails for civil and under trial prisoners.

The origin of all jail improvements in India in recent years was the Jail Commission of 1889. The report of the Commission, which consisted of only two members, both officials serving under the Government of India, is extremely long, and reviews the whole question of jail organization and administration in the minutest detail. In most matters the Commission's recommendations have been accepted and adopted by Local Governments, but in various matters, mainly of a minor character, their proposals have either been rejected *ab initio* as unsuited to local conditions abandoned as unworkable after careful experiment or accepted in principle but postponed for the present as impossible.

The most important of all the recommendations of the Commission, the one that might in fact be described as the corner-stone of their report, is that there should be in each Presidency three classes of jails. In the first place, large central jails for convicts sentenced to more than one year's imprisonment, secondly, district jails at the headquarters of districts, and, thirdly, subsidiary jails and "lock ups" for under-trial prisoners and convicts sentenced to short terms of imprisonment. The jail department in each province is under the control of an Inspector General, he is generally an officer of the Indian Medical Service with jail experience, and the Superintendents of certain jails are usually recruited from the same service. The district jail is under the charge of the civil surgeon, and is frequently inspected by the district magistrate. The staff under the Superintendent includes, in large central jails, a Deputy Superintendent to supervise the jail manufactures, and in all central and district jails one or more subordinate medical officers. The executive staff consists of jailors and warders, and convict petty officers are employed in all central and district jails, the prospect of promotion to one of these posts being a strong inducement to good behaviour. A Press Note issued by the Bombay Government in October, 1915, says—"The cadre and emoluments of all ranks from Warder to Superintendent have been repeatedly revised and altered in recent years. But the Department is not at all attractive in its lower grades. The two weak spots in the jail administration at the moment are the insufficiency of Central Prisons and the difficulty of obtaining good and sufficient warders.

The Jails Committee—Since the introduction of the reformed constitution the maintenance of the Indian Prisons falls within the sphere of provincial Governments and is subject

to all India legislation. The obvious advisability of proceeding along certain general lines of uniform application led lately to the appointment of a Jails Committee, which conducted the first comprehensive survey of Indian prison administration which had been made for thirty years. Stress was laid by the Committee upon the necessity of improving and increasing existing jail accommodation, of recruiting a better class of warders, of providing education for prisoners, and of developing prison industries so as to meet the needs of the consuming Departments of Government. Other important recommendations included the separation of civil from criminal offenders, the adoption of the English system of release on license in the case of adolescents, and the creation of children's courts. The Committee found that the reformative side of the Indian system needed particular attention. They recommended the segregation of habituals from ordinary prisoners, the provision of separate accommodation for prisoners under trial, the institution of the star-class system, and the abolition of certain practices which are liable to harden or degrade the prison population.

Employment of Prisoners—The work on which convicts are employed is mostly carried on within the jail walls, but extramural employment on a large scale is sometimes allowed, as, for example, when a large number of convicts were employed in excavating the Jhelum Canal in the Punjab. Within the walls prisoners are employed on jail service and repairs, and in workshops. The main principle laid down with regard to jail manufactures is that the work must be penal and industrial. The industries are on a large scale, multifarious employment being condemned, while care is taken that the jail shall not compete with local traders. As far as possible industries are adapted to the requirements of the consuming public departments, and printing, tent-making, and the manufacture of clothing are among the commonest employments. Schooling is confined to juveniles, the experiment of teaching adults has been tried, but literary instruction is unsuitable for the class of persons who fill in Indian jail.

The conduct of convicts in jail is generally good, and the number of desperate characters among them is small. Failure to perform the allotted task is by far the most common offence. In a large majority of cases the punishment inflicted is one of those classed as "minor." Among the "major" punishments fetters take the first place. Corporal punishment is inflicted in relatively few cases, and the number is steadily falling. Punishments were revised as the result of the Commission of 1889. Two notable punishments then abolished were shaving the heads of female prisoners and the stocks. The latter, which was apparently much practised in Bombay, was described by the Commission as inflicting exquisite torture. Punishments are now scheduled and graded into major and minor. The most difficult of all jail problems is the internal maintenance of order among the prisoners, for which purpose paid

warders and convict warders are employed. With this is bound up the question of a special class of well-behaved prisoners which was tried from 1905 onwards in the Thanai Jail.

Juvenile Prisoners—As regards "youthful offenders"—i.e., those below the age of 15—the law provides alternatives to imprisonment, and it is strictly enjoined that boys shall not be sent to jail when they can be dealt with otherwise. The alternatives are detention in a reformatory school for a period of from three to seven years, but not beyond the age of 18, discharge after admonition, delivery to the parent or guardian on the latter executing a bond to be responsible for the good behaviour of the culprit, and whipping by way of school discipline.

The question of the treatment of young adult" prisoners has in recent years received much attention. Under the Prisons Act, prisoners below the age of 18 must be kept separate from older prisoners, but the recognition of the principle that an ordinary jail is not a fitting place for adolescents (other than youthful habituals) who are over 15, and therefore ineligible for admission to the reformatory school has led Local Governments to consider schemes for going beyond this by treating young adults on the lines followed at Borstal, and considerable progress has been made in this direction. In 1905, a special class for selected juveniles and young adults was established at the Dharwar jail in Bombay, in 1908 a special juvenile jail was opened at Allpore in Bengal, in 1909 the Meiktila jail in Burma and the Tanjore jail in Madras were set aside for adolescents, and a new jail for juvenile and "juvenile adult" convicts was opened at Bareilly in the United Provinces, and in 1910 it was decided to concentrate adolescents in the Punjab at the Lahore District jail, which is now worked on Borstal lines. Other measures had previously been taken in some cases, a special reformatory system for "juvenile adults" had, for example, been in force in two central jails in the Punjab since the early years of the decade and "Borstal enclosures" had been established in some jails in Bengal. But the public is slow to appreciate that it has a duty towards prisoners, and but little progress has been made in the formation of Prisoners' Aid Societies except in Bombay and Calcutta, though even in those cities much remains to be done.

Reformatory Schools—These schools have been administered since 1899 by the Education department, and the authorities are directed to improve the industrial education of the inmates, to help the boys to obtain employment on leaving school, and as far as possible to keep a watch on their careers.

Transportation—Transportation is an old punishment of the British Indian criminal law, and a number of places were formerly appointed for the reception of Indian transported convicts. The only penal settlement at the present time is Port Blair in the Andaman Islands.

Commission of Enquiry, 1919—A committee was appointed to investigate the whole system of prison administration in India with special reference to recent legislation and experience in Western countries. Its report published in 1921, was summarised in the

Indian Year Book, 1922 (pages 670 671). A number of reforms were advocated but, owing to financial stringency, it has not yet been possible to introduce some of the more important of them.

Fines and Short Sentences—Those sections of the Indian Penal Code, under which imprisonment must be awarded when a conviction occurs, should be amended so as to give discretion to the court. Sentences of imprisonment for less than twenty-eight days should be prohibited.

The Indeterminate Sentences—The sentence of every long-term prisoner should be brought under revision, as soon as the prisoner has served half the sentence in the case of the non-habitual, and two-thirds of the sentence in the case of the habitual, remission earned being counted in each case. The revision should be carried out by a Revising Board, composed of the Inspector-General of Prisons, the Sessions Judge and a non-official. In all cases, the release of a prisoner on parole should be made subject to conditions, breach of which would render him liable to be remanded to undergo the full original sentence. The duty of seeing that a prisoner fulfils the conditions on which he was released should not be imposed upon the police or upon the village headman, but special officers, to be termed parole officers, should be appointed for the purpose. These parole officers should possess a good standard of education, though not necessarily a university degree, and should both protect and advise the released prisoner and report breaches of the conditions of release.

Transportation and the Andamans—The future of the penal settlement of Port Blair was continually under the consideration of the Government of India from the time of the publication of the Jails Commission report, but it was not till 1926 that a definite decision was reached. It was then decided that henceforth only those convicts should normally be sent to the Andamans who volunteered to come, that the old restrictions on life in the settlement should be sensibly relaxed, that convicts should be encouraged to settle on the land, that in certain conditions they should be entitled to release to obtain occupancy rights over the land which they had cultivated and that the importation of wives and families should be encouraged. The object of these changes was to promote the development of a free colony of persons, who would, after the terms of their sentences had expired, make the Andamans their permanent home. The effect up to date has been to introduce a completely new outlook on life into the settlement, but it is still too soon to appreciate its potentialities. It has recently been found necessary to send to the Andamans certain convicts either sentenced to transportation for life or to long terms of rigorous imprisonment for permanent incarceration in the Cellular Jail. Such prisoners will not be released and allowed to go into the settlement, and its development will in no way be affected by their presence.

Criminal Tribes—The first essential of success in dealing with the criminal tribes is the provision of a reasonable degree of economic

comfort for the people. It is therefore of paramount importance to locate settlements where sufficient work at remunerative rates is available. Large numbers of fresh settlers should never be sent to a settlement without first as

certaining whether there is work for them. Commitment to settlements should, as far as possible, be by gangs not by individuals. It is desirable to utilise both Government and private agency for the control of settlements.

The variations of the jail population in British India during the five years ending 1931 are shown in the following table —

	1931	1930	1929	1928	1927
Jail population of all classes on 1st January	161,298	137,129	140,142	136,424	132,253
Admissions during the year	739,810	771,187	598,508	585,206	582,243
Aggregate	903,138	908,316	733,710	721,630	714,496
Discharged during the year from all causes	718,266	744,946	601,581	581,512	578,065
Jail population on 31st December	154,872	163,370	137,129	140,118	136,431
Convict population on 1st January	136,552	116,184	118,970	116,161	113,301
Admissions during the year	207,568	223,538	167,697	167,013	169,836
Aggregate	344,120	339,722	286,667	283,174	283,137
Released during the year	216,807	196,996	163,796	160,375	162,623
Transported beyond seas	1,685	1,599	1,821	566	1,301
Casualties, &c	2,503	2,541	2,514	2,497	2,469
Convict population on 31st December	126,550	136,552	116,187	118,796	116,161

More than one-half of the total number of convicts received in jails during 1931 came from the classes engaged in agriculture and cattle tending, about 166,000 out of 208,000 are returned as illiterate.

The percentage of previously convicted prisoners rose from 15 to 14, while the number of youthful offenders fell from 757 to 430. The following table shows the nature and length of sentences of convicts admitted to jails in 1929 to 1931 —

Nature and Length of Sentence	1931	1930	1929
Not exceeding one month	39,281	35,773	29,888
Above one month and not exceeding six months	89,647	109,714	67,325
" six months " " one year	39,373	10,878	34,235
" one year " " five years	30,584	29,950	28,639
" five years " " ten "	4,740	3,935	4,502
Exceeding ten years	575	533	515
Transportation beyond seas—			
(a) for life	1,933	1,592	1,637
(b) for a term	100	37	21
Sentenced to death	1,331	1,126	1,175

The total daily average population for 1931 was 121,900, the total offences dealt with by criminal courts was 195, and by Superintendents 114,545. The corresponding figures for 1930 were 129,364, 252 and 129,420, respectively.

The total number of corporal punishments showed a slight decrease viz, from 220 to 174. The total number of cases in which penal diet (with and without cellular confinement) was prescribed was 3,684 as compared with 5,293 in the preceding year.

Total expenditure decreased from Rs 2,00,42,583 to Rs 1,75,48,041 while total cash earnings decreased from Rs 29,38,455 to Rs 25,72,343, there was consequently a decrease of Rs 21,28,430 in the net cost to Government.

The death rate increased from 11.73 per mille in 1930 to 12.42 in 1931. The admissions to hospital were higher, and the daily average number of sick fell from 23.88 to 23.73.

The Laws of 1933

BY

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1 The Indian Marine (Amendment) Act— In order to provide an opportunity for marine service on a voluntary basis for those persons in India who are interested in nautical pursuits, and, at the same time, to constitute a potential reserve of officers for use in emergencies, when the officer strength of the Royal Indian Marine will require expansion, it is proposed to raise and organise a small Royal Indian Marine Volunteer Reserve. Membership of the Reserve will entail a brief period of annual training in one of His Majesty's Indian ships, besides a certain amount of instruction on shore. It is necessary that the members of this Reserve force should be subject, when under training or when called to service, to the same disciplinary code as the members of the Royal Indian Marine. The present Act secures this object by amending s 2 of the Indian Marine Act, 1887.

2 The Children (Pledging of Labour) Act— The Royal Commission on Labour found evidence in such widely separated areas as Amritsar, Ahmedabad and Madras of the practice of pledging child labour that is, the taking of advances by parents or guardians on agreements, written or oral, pledging the labour of their children. In some cases, the children so pledged were subjected to particularly unsatisfactory working conditions. The present Act seeks to eradicate this evil by imposing penalties on parties to agreements pledging the labour of children and on persons knowingly employing children whose labour has been pledged. Section 2 defines 'an agreement to pledge the labour of a child'. An agreement made without detriment to a child, and not made in consideration of any benefit other than reasonable wages to be paid for the child's services, and terminable at not more than a week's notice is, however, not an agreement within the meaning of this definition. Under s 3 an agreement to pledge the labour of a child is void.

3 The Indian Forest (Amendment) Act— Under s 38 of the Indian Forest Act, 1927, the owner of any private forest is allowed to represent his desire that certain sections of the Act be made applicable to his forest or that it should be managed by the expert agency of the Forest Department of Government as a reserved or protected forest on such terms as may be mutually agreed upon. The Court of Wards cannot take advantage of this provision as it is not considered an owner of the land or forest of which it is in charge as a trustee. The present Act vests the Court of Wards with the powers of an owner and other sections of the Indian Forest Act, 1927, which are applicable to owners are also made applicable to a Court of Wards.

4 The Cotton Textile Industry Protection (Amendment) Act— By the Cotton Textile Industry (Protection) Act 1930, protective duties were imposed on cotton piece goods for a period of three years. It also extended for a further period of three years the operation of the duty imposed by the Indian Tariff (Cotton Yarn Amendment) Act, 1927. These duties expired on March 31, 1933. When the Cotton Textile Industry (Protection) Bill was under consideration the Government had given an assurance to the legislature that before the termination of the three year period the effect of the duties on the production of cotton piece goods in India and on the Indian Cotton Textile industry would be examined in a Joint Board enquiry. The enquiry was held, but the Board's report was received by the Government of India later than they had originally hoped for and the pressure of public urgent business left insufficient time for the full consideration by Government of the matter. The present Act, therefore, extended the operation of the duties imposed by the original Act up to October 31, 1933, pending formulation of the decision of the Government of India in the matter of the continued protection to the cotton textile industry.

5 The Wheat Import Duty (Extending) Act— The Act extends the life time of the Wheat (Import Duty) Act 1931, so as to continue the existing duties on wheat and wheat flour for a further period of one year, viz., up to March 31, 1934.

6 The Salt Additional Import Duty (Extending) Act— The Act gives effect to the recommendations made by the Salt Industry Committee of the Legislative Assembly. Subject to certain modifications it extends the life of the Salt (Additional Import Duty) Act, 1931, for a further period of one year.

7 The Indian Finance Act— This Act continues for one year certain duties and taxes imposed under the Indian Finance Act, 1931, read with the Indian Finance (Supplementary and Extending) Act, 1931. Ss 2, 4, 5 and 7 provide for the continuance for a further period of one year of the existing provisions regarding salt duty, inland postage rates, rates of income tax and super tax and the credit to revenue of interest on securities forming part of the Paper Currency Reserve. The duty of one rupee four annas per maund on salt remains liable to the additional duty imposed by s 5 of the Indian Finance (Supplementary and Extending) Act, 1931. As the tax on incomes of Rs 1,000 and upwards and below Rs 2,000 per annum is retained, s 5 (4) provides for the continuance of the existing procedure

for the assessment of such income. S. 1 of the present Act provides for the following alterations in customs tariff: (1) It fixes a minimum specific duty of 24 annas including surcharge on uppers of boots and shoes not made entirely of leather. (2) It fixes minimum specific duty of four annas per square yard and two annas and three ples per square yard respectively with no surcharge on artificial all glass goods and artificial silk mixtures and rounds off the existing *ad valorem* duty including surcharge of 34 per cent on artificial silk mixtures to 35 percent with no surcharge.

8 The Indian Tariff (Ottawa Trade Agreement) Supplementary Amendment Act—

This Act corrects a few inaccuracies and discrepancies in the Indian Tariff (Ottawa Trade Agreement) Amendment Act 1922 which have been brought to light by a further scrutiny of the schedules to that Act and by practical experience of the new tariff. The substance of the Act is contained in the Schedule of amendments.

9 The Provincial Criminal Law Supplementing Act—

The Local Public Security Act, 1932 the Bihar and Orissa Public Safety Act, 1933 the Bombay Special (Emergency) Powers Act, 1932 the United Provinces Special Powers Act, 1932 and the Punjab Criminal Law (Amendment) Act 1932 which replace some of the provisions of the Special Power Ordinance, N. of 1932 contain provisions which require to be supplemented by an Act of the Indian Legislature. The present Act provides for appeals to the High Court in certain cases and excludes their jurisdiction in other matters. It is not within the power of the Local Legislature to pass the legislation necessary to provide for appeals to the High Court from sentences passed by Special Magistrates under the Bengal Public Security Act, 1932. S. 2 of the present Act provides for such appeals. S. 15 of the Bihar and Orissa Public Safety Act 1933, s. 20 of the Bombay Special Powers (Emergency) Act, 1932 and s. 14 of the United Provinces Special Powers Act, 1932 restrict the provisions contained in s. 78 of Ordinance N. of 1932. Whereas, however, s. 78 of the Ordinance excluded the jurisdiction of High Courts, enactments in the Local Acts have no such effect. S. 3 of the present Act supplements them in this respect. S. 4 does for s. 27 of the Bengal Public Security Act, 1932, what s. 3 does for the local Acts therein referred to. S. 4 on the analogy of s. 491 (3) of the Criminal Procedure Code bars jurisdiction under the powers conferred by that section in respect of action taken under s. 2 of the Punjab Criminal Law (Amendment) Act, 1932. Under s. 6 the powers of a High Court under s. 107 of the Government of India Act are not affected by anything contained in the present Act.

10 The Auxiliary Force (Amendment) Act—

The Auxiliary Force Act, 1920, provides that persons subject to the Act shall be divided according to their age, into three classes the Active Force, the "A" Reserve Force and the "B" Reserve, and that specified periods of training shall be undergone by the members of each class. Experience has shown that these provisions, besides being somewhat complicated, are not conducive either to efficiency or economy.

An individual's liability for active or reserve duties need not in any way depend solely on his age. The present Act therefore provides that persons subject to the Act shall be divided only into two classes. The Active Force and the Reserve, and empower the competent military authority to direct the classification of trainees to be under a liability of subject to the Act with the reservation that no person shall be required to undertake such training, then that to which he is liable under the existing law. The present Act has been enacted in two other respects. In the first place, water latitude is provided in the interpretation of the term "competent military authority" so as to enable the administrative procedure and classification of responsibility to conform with the practice to that of the regular army. It also empowers the statutory restrictions on recruitment which at present only pertain to the British-privileged military service in all the headquarters of corps or commands to be applied for recruitment in the army or navy.

11 The Indian Merchant Shipping (Amendment) Act—

In March 1929 the Government of India appointed a committee to enquire into the arrangements in force for pilgrim travelling to the Hajj from India. The Committee submitted an extensive report which contained several recommendations for the amendment of the Indian Merchant Shipping Act 1924. The Government of India examined the recommendations in consultation with local Governments and Advisory bodies, the Indian Commerce Chamber of Commerce and other interested parties including the Standing Committee of the Indian Legislature, and came to the conclusion that it was desirable to amend the Act in several respects. The present Act makes the required amendments. It also effects a few small amendments arising out of the International Sanitary Convention of 1924.

12 The Indian Income-tax (Amendment) Act—

This Act introduces small but important amendments in the Income-tax Act of 1922. S. 4 of the Act deals with the application of the Act. Sub-s. (1) of s. 5 makes the Act applicable to all income, profits or gains earned outside but received in British India. Sub-s. (2) in dealing with the question referred only to profits and gains, now the word "income" is added to the phrase to make the two sub-sections harmonious. The amendment is not retrospective and it does not apply to income, profits or gains accruing prior to April 1, 1933, unless they are brought into British India within three years of the end of the year in which they accrued. It is made clear that the section does not apply to agricultural income accruing from land for which any annual payment is made to the State.

13 The Safeguarding of Industries Act—

This Act provides for the imposition of additional duties of customs on imported goods for safeguarding industries in British India. It remains in force till March 31, 1935. S. 2 (1) enables the Governor General in Council to impose additional duties or customs by notification in the Gazette of India to meet any serious menace to Indian industries which may arise from special conditions in any country outside India resulting in the importation of

produce or manufactures into this country at prices which endanger Indian industries. S 3 (1) provides that every such notification must be laid before both Chambers of the Indian Legislature and will cease to have effect on the expiry of two months from the date on which it has been so laid unless in the meantime it has been approved by a resolution of each Chamber.

14 The Indian Tariff (Amendment) Act—The wording of Item 148 A of the Second Schedule of the Indian Tariff Act, 1894, extends the lowest preferential rate, i.e., Rs 30, per ton on sheet of British manufacture rolled from Indian sheet bar, to a considerable quantity of material to which it was not intended that preference should be given. The present Act makes it clear that the lowest preferential rate is applicable only to sheets manufactured from Indian sheet bar imported into the United Kingdom after the ratification of the Ottawa Trade Agreement by the Indian Legislature.

15 The Workmen's Compensation (Amendment) Act.—The Workmen's Compensation Act, 1923, was experimental in character, and since its coming into force on July 1, 1924 a number of modifications of its provisions were effected by the Workmen's Compensation (Amendment) Act, 1929, to remedy admitted defects and to embody improvements of a non-controversial character. The present Act follows the recommendations of the Royal Commission on Labour. Excepting certain sections the Act came into force on January 1, 1934. S 2 recasts the definition of dependant in the Act. It adds certain relations to the list included in the definition, e.g. illegitimate children, and a widowed daughter in law. S 4 deals with the revised scales of compensation payable for death and permanent total or partial disablement. S 7 relaxes the stringency of provisions regarding notice contained in S 10 of the original Act in certain cases, e.g. want of or a defect in a notice does not bar proceedings for the recovery of compensation if the employer is proved to have had knowledge of the accident from any other source. S 8 empowers a Commissioner to require from an employer a statement regarding a fatal accident giving the circumstances attending the death of a workman and indicating whether in the opinion of the employer, he is or is not liable to deposit compensation on account of the death. It also provides for the prompt deposit of compensation where the employer admits liability. Where the employer disclaims liability the Commissioner may inform the dependants of the deceased that it is open to them to prefer a claim for compensation. S 11 provides for the imposition of fine for failure to furnish a statement, notice, report, etc., required under the Act. Prosecutions under this section cannot be instituted without the previous sanction of a Commissioner. S 16 empowers a Commissioner to call on an employer to make up an inadequate deposit to the proper amount. S 20 provides for the distribution of compensation due under the Act to persons in other parts of the Empire and of compensation due under British or Dominion laws to persons in British India. S 21 widens the existing classes of workmen benefited by the Act e.g., drivers of private motor cars, workmen employed in handling

explosive substances, etc. It also introduces new classes of workmen to the Act, e.g., workmen employed in the operation of any ferry boat, workmen employed in a lighthouse, etc. S 22 adds four industrial diseases to Schedule III of the original Act, e.g., mercury poisoning, poisoning by benzene and its homologues, chrome ulceration and compressed air illness.

16 The Land Acquisition (Amendment) Act—The Land Acquisition Act, 1894, makes it possible, where the previous consent of the local Government has been obtained, to acquire land compulsorily on behalf of companies, provided that the land is needed for a work likely to prove useful to the public. The present Act follows the recommendation of the Royal Commission on Labour and enables land to be acquired by an industrial concern (ordinarily employing not less than one hundred workmen) owned by an individual or by an association, for the erection of dwelling houses for workmen employed by the concern or for the provision of amenities directly connected therewith.

17 The Indian Wireless Telegraphy Act—The Indian Telegraph Act, 1885 controls only the establishing, maintenance, and working of telegraphs, but does not restrict or control mere possession of apparatus, or penalise such possession without license unless it can be shown that the apparatus is used. It is believed that the revenue lost at present owing to the use of unlicensed wireless apparatus is considerable, thus adversely affecting the financial position of the Indian State Broadcasting Service. The present Act remedies this state of affairs by prohibiting the possession without license of wireless telegraphy apparatus. S 4 enables the Governor General in Council to permit in proper cases, for instance, for research purposes, the possession without license of wireless telegraphy apparatus. S 6 penalises possession without license, and provides for the confiscation of apparatus in respect of which an offence is committed. S 7 provides for the power of search necessary for the enforcement of the Act.

18 The Indian Income-tax (Second amendment) Act.—The object of passing this Act is to stop a leakage owing to the concealment of income derived from interest, especially interest paid on deposits with banks. S 8 is amended by relieving from income tax sums deducted from the interest by way of commission by a banker realising such interest. S 9 cl (4) is amplified to make its meaning clear. S 11 deals with professional earnings. The depreciation of buildings, machinery, apparatus, appliances which hitherto was allowed only to persons deriving income from business is now extended to professional men. Extensive alterations have been made in s 18 with the view of compelling bankers and others to furnish annual statements of payments of interest to any person in respect of deposits held for six months or more. This is further carried out by enacting s 20A which deals with supply of information regarding interest, not less in amount than Rs 1,000 in any year. S 24 has been amended and now the benefits enjoyed by adult members of a firm are extended to its minor members so far as income tax is concerned.

S. 21A has been newly added. It is meant to enable assessments to be made at once on the income of persons from whom it is difficult to recover the tax after they have left the country, as for instance, a foreign touring circus or theatrical company. The next section 21F enacts a new provision providing for payment of tax of deceased person by his representatives which became due to notice in a recent Bombay case. S. 30 has been amended to give the assessee a right of appeal when an order refusing to redit for a firm. The next group of amendment deals with the subject of refund. S. 48A defines the general power to make refunds. Power to set off amount of refund against tax remaining payable is given by S. 49A and S. 49B gives power to representative of deceased person or disabled person to make claim on his behalf. A new section 49A has been added to provide appeal against an order refusing refund of income tax which has already been paid. Liberal provision have been made by providing reference to be made to the High Court by amendment S. 66 of the Act.

19 The Indian Railways (Amendment) Act.—The present Act gives additional power to a railway company to provide and maintain a motor transport or aircraft service as a feeder to its own railway. S. 2 empowers a railway company (other than the guaranteed companies covered by the statute 42 and 43A) (chap. 41) to frame a scheme for a motor transport or air service for passengers, animals or goods with a terminus at or near a station on the railway. This scheme must be submitted to the Governor General in Council who is required to consult the Local Governments concerned and is empowered to impose any modifications and conditions he may think fit. The Act requires the final scheme to be published in the Gazette of India and thereupon the railway company is empowered to inaugurate the new service in accordance with its terms and in accordance with all applicable enactments and rules relating to motor vehicles, aircraft and roads.

20 The Cotton Textile Industry Protection (Second Amendment) Act.—The present Act continues the existing protection granted to the industry by the Cotton Textile Industry (Protection) Act, 1930 as subsequently amended (Act IV of 1933), for a further period up to March 30, 1934.

21 The Indian Arbitration (Amendment) Act.—Under s. 19 of the Indian Arbitration Act, 1899 where any matter which falls within an agreement to arbitrate is the subject of legal proceedings, any party may apply to the Court to stay proceedings and thereupon the Court may, after an inquiry, stay further proceedings, in order that the agreement to arbitrate may be enforced. The present Act makes it clear that the Court referred to in s. 19 is the Court before which the legal proceedings are pending.

22 The Cantonments (House-Accommodation Amendment) Act.—Under Ss. 15 (1) and 16 (2) of the Cantonments (House Accommodation) Act 1923, the owner of a house has the right within a period of thirty days from the service of a notice of appropriation to make a reference to a Civil Court, if he considers the rent offered to him to be insufficient or the repairs demanded

from him to be excessive. Under s. 79 of the said Act the owner or any tenant of a house in respect of which a notice of appropriation has been issued can appeal within a period of twenty-one days from the date of the service of the notice to the Officer Commanding the District against the appropriation itself. The amendments made by the present Act which are in accordance with the wishes of the All India Cantonment Association shorten the time allowed for the appeal to the Officer Commanding the District (ten days) these also provide that where an appeal is made to the Officer Commanding the District under s. 79 the period of thirty days (within which a reference to a Civil Court can be made) must be reckoned from the date on which the owner received the notice of the result of the appeal.

23 The Murshidabad Estate Administration Act. The Murshidabad Act 1891 confirmed and gave effect to an Indenture made on March 12, 1891 between the Secretary of State for India in Council and the Nawab Bahadur of Murshidabad which set at rest many matters which were the subject of considerable perplexity, the title of the Nawab Bahadur, the incidents of his tenure of various properties specified in the Indenture and provision for his own maintenance and support, and that of his honour and dignity. The Act provided that in case the Nawab Bahadur or any of his legal heirs male successors to the title contravened any of the terms of the Indenture or by a course of extravagance or by waste or mismanagement of the immovable properties included in the Indenture disabused himself from duly maintaining the dignity of his position the Secretary of State for the time being can lawfully enter upon the immovable properties, take possession thereof and administer them for the benefit of the Nawab Bahadur during his lifetime. Under the powers so given the Secretary of State has during the lifetime of the present Nawab Bahadur of Murshidabad assumed charge of the estate and of the Government pension provided for in the Indenture. Machinery for the exercise of such management by the Secretary of State was not provided for in the Indenture. The present Act supplies this. The management will be exercised through a Manager acting on behalf of the Secretary of State. The Manager will work under the supervision and control of the Governor of Bengal in which province the majority of the properties concerned lie. His powers and duties are defined by the Act which further provides machinery for the ascertainment and gradual liquidation of the liabilities contracted by the Nawab Bahadur. It also provides for the payment to the Nawab Bahadur of a sum sufficient for the maintenance of his position and dignity and affords him protection against the disabilities to which he is exposed by reason of his embarrassed circumstances.

24 The Indian Tea Control Act.—In October, 1932, the representatives of the Indian Tea Industry approached the Government of India with a view to securing their support to an international scheme for the restriction of exports of tea. The condition of the industry was precarious and the collapse of many concerns imminent. Government, therefore, expressed their willingness to consider any practical

scheme that might be put forward. The Indian Tea Association, acting for the Industry, produced a scheme the main features of which were—(1) that the exports of tea would be restricted to a percentage of the maximum exports from each producing country in any of the three years, 1929, 1930 and 1931 (2) that the restriction scheme would remain in force for five years and (3) that during this period existing areas under tea would not be extended beyond half per cent of the present planted area. The scheme also provided that the herds of agreement would be enforced in each of the contracting countries by the Government concerned. The present Act gives legislative sanction to the operation of the scheme.

Under s 1 the Act remains in force till March 31, 1938. Ss 3 to 8 relate to the constitution powers, etc., of the Indian Tea Licensing Committee. The Committee consists of the following members—(a) six members, one nominated by each of the following bodies, namely,—The Indian Tea Association, Calcutta, The Assam Branch of that Association, the Surma Valley Branch of that Association, the Dooars Planters Association, the Indian Tea Planters Association, Jalpriguri, and the Terai Indian Planters Association, Terai, acting together and the Darjeeling Planters Association and the Terai Planters Association, acting together two members nominated by the Local Government of Assam two members nominated by the United Planters Association of Southern India and one member nominated by the Local Government of Madras. Ss 11 to 24 deal with the control over the export of tea. Under s 12 no tea can be exported overseas unless covered by a license issued by or on behalf of the Committee. Under s 13 the Indian Overseas Export Allotment for the financial year 1933-34, that is, the total quantity of tea which may be exported overseas during that year, including tea exported overseas during that year before the commencement of the Act, must be 320,570,560 pounds avoirdupois. Under s 14 the export quota of each tea estate for each financial year must be determined by the Committee. The total of all export quotas for any financial year must not exceed the Indian Overseas Export Allotment for that year. Ss 15 to 17 deal with export licenses. Under s 21 the Committee is authorised to charge and collect a license fee for every export license issued by it. Ss 25 to 29 deal with the control over the extension of the cultivation. Under s 25 as long as the Act remains in force, no one can plant tea in any land which was not planted with tea on March 31, 1933, save in pursuance of a written permission granted by or on behalf of the Committee. Under s 26 the total area of land in British India in respect of which the permission referred to in s 25 may be granted must not exceed 4,000 acres. S 27 deals with the grant of permission to plant tea on any land for the first time. S 28 provides for an appeal to the Local Government by an applicant aggrieved by any order of the Committee under s 27. Ss 30 to 35 deal with penalties and procedure.

25 The Indian Merchant Shipping (Second Amendment) Act—The International Conference for the Safety of Life at Sea held in London in 1929, and the International Load Line

Conference held in London in 1930, adopted respectively, the International Convention for the Safety of Life at Sea, 1929, and the International Convention respective Load Lines, 1930. India was represented at both Conferences. The present Act ratifies the two conventions by amending the Indian Merchant Shipping Act, 1923, in several respects.

26 The Dangerous Drugs (Amendment) Act—As a result of the ratification of the International Convention for Limiting the Manufacture and Regulating the Distribution of Narcotic Drugs, the definition of "Manufactured Drugs" is given in the Dangerous Drugs Act, 1930, required amplification. The present Act amends s 2 (g) (ii) of the original Act so as to provide for its being made to cover those drugs specified in Article 1 of the Convention which were not covered by the sub-section. The Act also empowers the Local Governments to frame rules restricting and regulating the manufacture and possession of prepared opium from opium lawfully possessed under s 4 (b) of the Act.

27 The Indian Medical Council Act—The General Medical Council in February, 1930, decided to withdraw temporarily the recognition of medical degrees of Indian Universities. By this action the international status of those degrees was endangered. To safeguard this status and to provide for the maintenance of uniform minimum standards of medical education in the country the Government of India, with the concurrence of Local Governments, convened a conference in June 1930 to consider the question of establishing an All India Medical Council. The present Act establishes an Indian Medical Council to secure a uniform minimum standard of higher qualifications in medicine for all provinces and to arrange schemes of reciprocity with medical authorities of other countries.

S 2 (d) defines "medicine". It includes surgery and obstetrics but does not include veterinary medicine and surgery. S 3 defines the composition of the Council. It must consist of the following members—(a) one member from each Governor's Province, to be nominated by the Local Government of the Province, (b) one member from each British Indian University to be elected by the Members of the Senate of the University from amongst the members of the medical faculty of the University (c) one member from each province where a provincial medical register is maintained (d) three members to be nominated by the Governor General in Council. As regards the President of the Council, for the first four years of the life of the Council, he must be a nominee of the Governor General in Council, thereafter he must be elected by the members of the Council from amongst themselves. A nominated President holds office at the pleasure of the Governor General in Council. Under s 7 an elected President and other members hold office for a normal term of five years. Under s 8 the Council must meet at least once in each year. Ten members of the Council form a quorum. S 9 relates to the executive agencies of the Council. It requires the Council to elect a Vice President, to constitute an Executive Committee and to appoint a Secretary. S 10 lays down the constitution, powers and duties

of the Executive Committee, which will be the most important agent of the Council in carrying out many of its duties, particularly in connection with the supervision of medical institutions. It must consist of seven members, of whom five must be elected by the Council, the President and Vice-President of the Council to be *ex officio* members. S. 11 deals with the recognition of medical qualifications granted by medical institutions in British India and S. 12 with the recognition of medical qualifications obtained outside British India. S. 13 and 14 provide for the settling of a scheme of reciprocity for the recognition of medical qualifications. S. 15 and 16 deal with the supervision of medical institutions in British India which grant recognised medical qualifications. S. 15 empowers the Medical Council to call for such information and returns as it may think fit in respect of such qualifications. S. 16 empowers the Executive Committee to appoint medical inspectors who may attend and observe the conditions under which examination for recognised medical qualifications are held. S. 17 provides for the withdrawal of recognition in the case of any medical institution in India which has been allowed to continue of such an establishment to fail to pay the required fee. S. 18 empowers the Council to deal with the provisions of the Act. S. 19 provides for reports to the Council to Government and for their publication. S. 20 provides for the election of a Council of Inquiry in the event of the Council failing to perform its duties.

25 The Indian Tariff (Second Amendment) Act

The present Act amends the Import Duties Act, 1922, to apply the rate of duty to goods imported for consumption to all other material objects (except the motor spirit) which are imported by vessel and imported by air. It also amends the Import Duties Act, 1922, to provide for the collection of the duty on goods imported by air for the purpose of the new tariff.

COPYRIGHT

There is no provision of law in British India for the registration of Copyright. Protection for Copyright accrues under the Indian Copyright Act under which there is now no registration of rights, but the printer has to supply copies of these works as stated in that Act and in the Printing Presses and Books Act XXV of 1867. The Indian Copyright Act made such modifications in the Imperial Copyright Act of 1911 as appeared to be desirable for adapting its provisions to the circumstances of India. The Imperial Act of 1911 was brought into force in India by proclamation in the *Gazette of India* on October 30, 1912. Under s. 27 of that Act there is limited power for the legislature of British possessions to modify or add to the provisions of the Act in its application to the possession, and it is under this power that the Indian Act of 1914 was passed. The portions of the Imperial Act applicable to British areas scheduled to the Indian Act. The Act to which these provisions are scheduled makes some formal adaptation of them to Indian law and procedure, and some material modifications of them in their applications to translations and musical compositions. In the case of works first published in British India the sole right to produce, reproduce, perform or publish a translation is, subject to an important proviso, to subsist only for ten years from the first publication of the work. The provisions of the Act as to mechanical instruments for producing musical sounds were found unsuitable to Indian conditions. "The majority of Indian melodies, it was explained in Council, 'have not been published, i.e., written in staff notation, except through the medium of the phonograph. It is impossible in many cases to identify the original composer or author, and the melodies are subject to great variety of notation and tune. To meet these conditions s. 5 of the Indian Act follows the English Musical Copyright Act of 1902 by defining musical work as meaning any combination of melody and harmony, or either of them, printed, reduced to writing, or otherwise graphically produced or reproduced."

India and the League of Nations.

India is a Founder-Member of the League of Nations and enjoys in it equal rights with other Member States, a position which she mainly owes to the goodwill shown towards her advancement and aspirations by Great Britain and the Self-Governing Dominions of the British Empire. The League of Nations was established under the terms of the Peace Treaty which was signed in Paris in 1919 after the conclusion of the Great War. Great Britain and the Self-Governing Dominions in 1917 passed a resolution which set India upon the road that led to the high international platform on which she stepped.

India was represented at the Imperial War Conference of 1918, at the Imperial Conferences held in London in 1921, 1923, and 1926, and at the Imperial Economic Conference held in London in 1930. The report of the Inter-Imperial Relations Committee of the Imperial Conference, which was adopted by the Conference of 1926, stated the position of Great Britain and the Dominions to be "autonomous communities, equal in status, in no way subordinate to one another in any respect of their domestic or external affairs, though united by a common allegiance to the Crown, and freely associated as members of the British Commonwealth of Nations. India is not yet a Self-Governing Dominion to the extent indicated in this formula. The first stage in the direction of establishing Responsible Government in India was prescribed by the Government of India Act, 1919, but the Governor-General of India does not yet (to quote again from the Inter-Imperial Relations Committee) hold "in all essential respects the same position in relation to the administration of public affairs" in India as is held by His Majesty the King Emperor in Great Britain. And there are certain other respects in which India's Constitutional position in the Empire is not the same as that of the Self-Governing Dominions. India, for example, is not entitled to accredit a Minister Plenipotentiary to the Heads of Foreign States.

The position enjoyed by India in the Empire governed the position which she entered when, as one of the States of the Empire she joined in the Paris Peace Negotiations in 1918-19. India's membership of the League of Nations places her in a unique position among all non-self-governing States, Dominions, or Colonies throughout the world. She is an original member of the League by virtue of para 1 of article I of the Covenant by which the League was established and which states that any fully self-governing State, Dominion or Colony not named in the Annex may become a member of the League. She is the only original member which is not self-governing, and in virtue of the restriction under para 11 of article I, on the admission of members other than original members, she will, so long as the present constitution of the League endures, remain the only member which is not self-governing. As a member of the League, India was for the first time brought into direct and formal contact with the outside world as a separate entity.

She was treated as if she had attained to the same kind of separate nationhood as that enjoyed by the Dominions.

India's Attitude.

On questions coming before the League, India has exactly the same rights as any other Member State. The Secretary of State for India in His Majesty's Government is ultimately responsible for the appointment of Indian delegates and for their instruction, but in practice, he and the Government of India act jointly in consultation and agreement with one another. Partly as a result of her membership of the League and partly owing to resolution No. IX adopted by the Imperial War Conference in 1917, recommending *inter alia* recognition of the right of the Dominions and of India to an adequate voice in British foreign policy and foreign relations, India has been given the same representation as the Dominions at all international conferences at which the British Empire is represented by a combined Empire Delegation. On many occasions in fact she has taken the lead in forming world opinion towards the achievement of the League's aims. In particular in the international Labour organisation she has been successful in bringing Empire policy into line with her own on more than one occasion. In many of those conferences, particularly those of the League, Indian delegations have taken an independent line of action, sometimes directly opposed to the attitude of other parts of the British Commonwealth. One interesting case occurred in 1920 at the Genoa Maritime Conference when Indian delegates in the face of opposition from the Empire managed to secure a mandate for special treatment for Indian sailors in British shipping although there was a concerted move from the Empire delegation to get Indian lascars driven off British ships.

India's New Status

It will be observed that the situation created by India's stepping from the Imperial Conference into the Paris Peace Conference and League of Nations in the manner in which she did was in certain respects highly anomalous and one impossible to harmonize with her constitutional position as defined in the Government of India Act. Nevertheless, as the Secretary of State, in a Memorandum presented to the Indian Statutory Commission by the India Office in 1929, showed, "It has been the deliberate object of the Secretary of State to make India's new status a reality for practical purposes within widest possible limits." It was not legally possible for the Secretary of State to relinquish his constitutional power of control, nor, consistently with responsibility to Parliament, could he delegate it. "But it has been his constant endeavour to restrict its exercise to a minimum, to keep even its existence as far as possible in the background, and to allow to the Indian Government the greatest possible freedom of action under the influence of their Legislature and of public opinion."

There are available many illustrations of these principles being followed in practice. India is given scope to pursue in the League of Nations an independent line of action within very wide limits, even though, as has occurred in some instances, it brings her into conflict with His Majesty's Government. In 1925, for example, at the conference on Opium and Drugs India so acted that the British delegation had to obtain fresh instructions from H. M.'s Government which resulted in India settling the question of Indian hemp to her own liking. In the event of such conflict within those limits, the Secretary of State acts, if he acts at all, as head of the Government of India rather than as a member of His Majesty's Government. He does not use his power to impose on the Indian Delegation an artificial solidarity with British Delegates but, rather, with the consent of his colleagues of His Majesty's Government, he stands aside and allows representatives of India the same freedom as Dominion Delegates would enjoy in controversy with the Delegates of Great Britain. India has participated in all the Assemblies of the League in the annual session of the International Labour Conference where because of her individual importance she plays a very predominant part, and in numerous Conferences on special subjects held under the auspices of the League as well as in some important non-League, International Conferences, including the Washington Conference on Naval Armaments in 1921, the General Economic Conference in 1922, and the International Naval Conference held in London in 1930. India is also represented on several permanent League bodies, e.g., the governing body of the International Labour Office, the Advisory Committee on Opium and Drugs, the Economic Committee, the Health Committee and the Committee of Intellectual Co-operation. It is interesting to note that since 1921 Sir Atul Chatterjee has been acting as Deputy Commissioner of the Governing Body of the International Labour Office and this position was preliminary to his being elected Chairman in 1932.

The **Personnel of the Indian Delegation** has from the outset largely been Indian in race though owing to the constitutional organization of the Indian administration it has frequently been necessary for her to be represented by Englishmen. This has especially been the case when specialized experts were required. The Indian character of the personnel has as rapidly as possible been increased and in 1929 the Indian Delegation to the annual Assembly of the League was for the first time led by an Indian (The Hon'ble Sir Mohammed Habibullah, Member for Education, Health and Lands in the Executive Council of His Excellency the Viceroy and Governor General). In the following year the delegation was led by the Maharaja of Bikaner in 1931 by Sir B. L. Mitter, in 1932 by H. H. the Aga Khan, and in 1933 by Sir B. L. Mitter again. A convention has been established for the leadership being held by an Indian. While the delegations to the International Labour Conference are becoming almost entirely Indian in personnel, the workers

delegations always have been Indian. This is merely an expression of the general policy of the Secretary of State that an increasing number of Indians should be given the opportunity of being trained in the international field. An example of the increasing part being played by Indians in League work occurred in 1930 when, during the Assembly of that year and at the instance of Sir Jehangir Coyaji, a member of the Indian delegation, an important resolution was passed in reference to the need for an inquiry into world depression. The Indian Delegation to the League Assembly in 1932 consisted of H. H. the Aga Khan (Leader), Sir Prabhushankar Pattani (President of Bhavnagar State Council), Sir Denys Bray (Member of the Council of India), Members, and Sir Jehangir Coyaji (Head of the Department of History, Economics and Politics, Andhra University). In 1933 the Indian Delegation consisted of Sir B. L. Mitter (Leader), Sir Denys Bray, Sir Abussamad Khan of Rampur and Sir Hormusji Mehta of Bombay.

The Secretary of State in his Memorandum to the Parliamentary Statutory Commission wrote — India's membership of the League has had the effect of stimulating her national self-consciousness and has laid the foundations of an informed public interest in international affairs. India's representatives have not confined themselves merely to the role of spectators, but have played a prominent part in many of the meetings which they have attended. She has fully justified her position as a separate Member of the League by her co-operation in the economic and social spheres which form so large a part of its activities. But in certain questions where special Indian interests are involved, the Indian Delegation can and does take an independent line, and may even find itself in opposition to other parts of the Empire. But sometimes on non-political questions the British and Indian Delegations have remained in opposite camps. On such questions, when special Indian interests are at stake, India's right of independent action extends to speaking and voting against the views advanced on behalf of His Majesty's Government." Lord Reading, in a note at the end of his Viceroyalty, stated his conclusion that the system of consultation between the Secretary of State and the Government of India had worked satisfactorily and that the Government of India without any definition of its problematical rights, already in practice obtained all the advantages which it might claim.

The year 1932 saw the opening of a League of Nations Bureau in Bombay in response to the demands of successive delegations to Geneva. Its purpose is to keep in touch with representative Indian opinion so that Geneva and India may be brought closer together. The Bureau is maintained by the League of Nations without any contribution by the Government of India.

In the Report of the last Indian Delegation, a recommendation was made for the appointment of a permanent Indian Delegate at Geneva.

Labour in India.

Growth of the Labour Problem—India is and has always been a pre eminently and predominantly agricultural country and over 70 per cent of her people are dependent on the soil for their livelihood. Except in a comparatively few cases there is no settled and permanent labour force in most industrial centres in India. The vast majority of industries draw the labour they require from the village—labour which seldom breaks its contact with village life and periodically returns to renew its associations with it. This fact cannot be too strongly emphasised. If it is lost sight of it would be most difficult to understand how large bodies of comparatively low paid men and women can afford to participate in strikes involving complete stoppage of work and loss in wages for periods of half a year. Such strikes would be impossible if Indian industrial labour did not have agriculture to fall back upon as a subsidiary occupation during periods of prolonged industrial disputes. The figures for the 1931 Census show that the number of persons gainfully occupied in the whole of India amounts to 154 millions or 43.8 per cent of the total population. Of this number 63 per cent are men and 32 per cent women. The proportion of the working population, i.e., earners and working dependants, engaged in agriculture is over 102 millions or 66.4 per cent.

The emergence of Indian industrial labour as such may be considered to be associated with the year 1880. Its growth and development since that date may be divided, for purposes of broad generalisation, into four periods: (1) from 1880 to 1915, (2) from 1916 to 1921, (3) from 1922 to 1927, and (4) from 1928 to the present day. The first period marks the growth of factory development with a slow but steady decline in cottage industries. The total number of cotton mills in India rose from 58 to 275 and the number of persons employed from 40,000 to 260,000. The total number of jute mills rose from 22 to 65 and the number of persons employed from 27,000 to 216,000. There was a vast expansion in railways and many new industries were established. Labour was immobile, earnings in agricultural pursuits were extremely low, commodities were comparatively cheap, and industrialists were able to get all the labour they wanted by tapping the adjacent villages at any rates of wages they liked to offer so long as they were higher than those which could be earned by work in the fields. Both the men and the women employed were considered to be a part of the plant of the factory, child labour was exploited, and little thought was given to the human element behind the worker. Hours of work were excessive, no amenities were provided because the only thing that the worker was expected to do was to work, eat and sleep. The provision of housing was a necessary evil which had to be provided where factories were situated away from towns. The Factories Act was modelled more on the lines of providing against loss of life due to accident rather than from the grinding work which a

factory worker was expected to do. The humanitarian employer was considered to be a pest who would ruin industry and all that industrialists thought of was the greatest return which could be obtained from the capital invested.

The second period emerged soon after the outbreak of the great war. Large contingents of Indian troops were sent overseas, and had to be supplied with adequate clothing and the munitions of war. Imports of manufactured articles into India were restricted owing to the bulk of the available British tonnage in ships having been commandeered for transport of men and materials to the various seats of war. Heavy demands were made by the belligerent countries for raw products. India secured the opportunity for which she had been looking for generations. Her credit expanded, her industries thrived and the returns on capital invested in every branch of trade and industry became phenomenal. Prices soared high. Owing to the influx of large bodies of persons to the towns, housing became hopelessly inadequate and rents rose to such an extent as to call for legislative restrictions. But nobody thought of those who were mainly responsible for the creation of the added wealth of India. Labour was still considered to be that inarticulate part of the plant of the factory which it had always been. The end of the War brought visions of an Utopia. Big commercial and industrial enterprises were floated. Agriculturists were securing high prices for their produce. Labour was in great demand not only in agriculture but also in commerce and industry. The successes which labour met with during the war in demands for increases in rates of wages impelled them to demand further increases with each increase in the cost of living. Where demands were not granted strikes were threatened. The influenza epidemic of 1918 which swept away large masses of the population of the country created a big gap in the available supply of labour, and almost all the strikes of the period for increases in wages were successful owing partly to the necessity for speeding up production and partly to the shortage in the available supply of labour.

The gradual demobilisation of the Armies of the War and the closing up of the various Munitions Works disbanded millions of men and women who rapidly spent the savings secured during the War. The pre-war industries in the belligerent countries could not be reorganised at once. The spectre of unemployment loomed large. Credit fell. With the fall in credit the demand for manufactured articles declined and prices began to show a marked downward tendency. The year 1922 may be considered as the beginning of this period of reaction and depression and the beginning of the third period in the history of Indian industrial labour. Labour all over the world demanded an improvement in the conditions of life and work. The creation of an International Organisation to deal with all questions connected with labour from an Inter

national point of view and the commitment of India, as one of the signatories to the Treaty of Versailles, to the ratification and acceptance as far as possible, of the Conventions and Recommendations adopted by the International Labour Conference have made it obligatory for her to fall into line with the other industrial countries of the world in ameliorating labour conditions. The beginning of this period, therefore, saw a radical revision of the existing Factory Law by an Amending Act passed early in 1922. The existing Indian Mines Act was replaced by another Act of 1923 during which year a Workmen's Compensation Act was also passed for the first time. A Trade Union Act was passed in 1926.

The depression in trade and industry which set in in 1922 has continued ever since. Various attempts were made by all classes of industrialists to reduce the wages of labour in order to reduce costs of production. Concerted action taken by the Ahmedabad Mill owners' Association to reduce the wages of operatives in the Ahmedabad cotton mills by 20 per cent with effect from the 1st April 1923 was successful to the extent of an eventual cut of 15.625 per cent being agreed to after a general strike lasting more than two months. A similar attempt made by the Bombay Mill owners' Association in 1925 to reduce wages by 11½ per cent was, however, frustrated by a strike lasting for nearly three months which was eventually settled in favour of the workers by a maintenance of the existing rates on the removal of the Lucke Duty of 31 per cent on cotton manufactures in India by a Special Ordinance issued by the Governor General in Council. Similar attempts made in individual concerns in the Districts succeeded mainly for want of effective combination among the workers. No other organised attempts were made to effect reductions in wages. There were several reasons for this. The most important of these was that after the period of the decline in prices had set in after 1920, real wages, in comparison with the standard of life of the year 1914, began to improve and labour was determined not to let go the advantage gained in the struggles immediately following the end of the War. This period was one in which a considerable number of Acts in connection with labour were placed on the Statute Book. In addition to these, the Government of India had asked Provincial Governments to consider proposals for legislating with regard to prompt payment of wages. The enquiries held in 1926-27 into the question of Deductions from Wages or Payments in respect of fines indicated legislation on the lines of the Truck Acts. It was becoming obvious to the Industrial Employer that Government were most anxious to do all they could to improve labour conditions in India. The employers, as a whole, therefore, did not desire to precipitate matters by insisting on reduction in wages. It was imperative, however, that something should be done, and done quickly to reduce costs of production. The only way to do this without reducing wages was, in the view of the employers, to ask the worker to do more work during the existing hours of employment so as to enable the employer to dispense with a number of workers and thus to reduce his Wages Bill.

The fourth period beginning with the year 1928, therefore, saw the advent of Rationalisation or more efficient methods of working. Employers, particularly those in Bombay city, proposed to ask workers to mind more machines in return for a compensatory increase in wages. Some advanced firms controlling cotton mill agencies actually introduced various efficiency measures in their mills. The introduction of these measures necessitated reductions in the numbers employed. The beginning of this period coincided with the entry of the Communists into the Trade Union movement in India.

When the so-called Labour Group of the Indian National Congress failed to obtain acceptance of their ideas by the Congress, they formed in January 1927 a **Workers and Peasants Party**, one of whose objects was "to promote the organisation of trade unions and to wrest them from their alien control." Communist emissaries were sent out to India by the Third International to further war against Imperialism, destruction of capital and the creed of revolution. The Workers and Peasants Party started a paper called the 'Krantī' (Revolution) in May 1927 which, however, had to cease publication at the end of the year owing to financial difficulties. The members of the Party took an active part in the strike of the operatives in the cotton mills in the Saton group early in 1928, but their attempts to bring about a general strike in the cotton mills in Bombay, failed owing to the opposition of the Bombay Textile Labour Union which had been formed by Mr. N. M. Joshi in January, 1926. When another great group of mills in Bombay under the agency of Messrs. Currimbhoy Ibrahim and Sons sought to introduce efficient methods of work the Communists saw their opportunity. All the operatives of the Currimbhoy group were brought out on the 16th April 1928, and the Communists, with the help of the turbulent elements in the industry brought about a complete stoppage of work by picketing, intimidation and stone throwing in all other mills in Bombay (except two mills at Colaba) by the 26th April. Owing to internal dissensions in another Union of cotton mill workers called the Ginni Kamgar Mahamandal, they secured the support of Mr. A. A. Alwe, its President, and formed a new Union called the **Bombay Ginni Kamgar Union** on the executive of which several prominent Communists were appointed. The Communists revived the publication of their paper the 'Krantī' and they were successful, by holding almost daily meetings at which revolutionary speeches were delivered and by the publication of hand bills, in capturing the imagination of the workers and keeping the strike going for a period of nearly six months. They also took an active part in the prolonged strikes of the same year in the Tata Iron and Steel Works at Jamshedpur and in the workshops of the Bengal Nagpur Railway at Kharagpur. They actively associated themselves with the strike on the South Indian Railway and they secured an entry into several Unions connected with Municipalities, Port Trusts and other Public Utility Services. After the calling off of the General Strike in the Bombay Mills on the 6th October, 1928, they endeavoured to paralyse the cotton mill industry in Bombay by calling several

lightning strikes in individual mills on the flimsiest of pretexts, even though the terms of the settlement of that strike required that all disputes between the employers and employed on the interpretation of the terms of agreement should be referred to the Bombay Strike Enquiry Committee which had been appointed by the Government of Bombay to express opinions on the matters in contention

Bombay has seen few riots and disturbances of the type which broke out in the City on the 3rd February 1929 and which resulted in the death of 149 persons and the destruction of property. The **Riots Enquiry Committee** appointed by the Government of Bombay found that the origin of the riots was the series of inflammatory speeches delivered by certain leaders of the Girmu Kamgar Union during the General Mill Strike of 1928 and again during the Bombay Oil Strike which lasted from the 7th December 1928 till after the date of the riots

In 1929 the Girmu Kamgar Union succeeded in calling another General Strike in the Bombay Mills on questions connected with dismissals which they interpreted as a direct attack by the Millowners to undermine the Union. The strike, although not so complete in character as the strike of 1928, nevertheless lasted from 26th April to 18th September, 1929, and was called off only when the Court of Enquiry appointed by the Government of Bombay under the Trade Disputes Act had reported in unequivocal terms that the whole blame for this strike lay with the Bombay Girmu Kamgar Union. But the Communist group was able to capture the **Indian Trade Union Congress** at the 11th Session held in Nagpur and to force the moderate elements, consisting of Messrs. Diwan Chaman Lal, N. M. Joshi, B. Shiva Rao, V. V. Giri, R. R. Bakshi, etc., to secede from the Congress on that body passing resolutions boycotting the Royal Commission on Labour in India and the International Labour Conference, by appointing the Workmen's Welfare League, a Communist organisation in England, as their Agents for Great Britain, and the declaration of Independence and the establishment of a Socialist Republican Government of the Working Classes in India

It is of importance to lay stress on the problems connected with the **Communist menace in India**. The object of the Communists is not so much the welfare of labour as the spread of revolution. Their ultimate aim is the destruction of capital and the replacement of the established Government by a dictatorship of the proletariat. The manner in which they can achieve this is by penetrating trade unions, by calling strikes in industries, by unduly prolonging them, by putting up strings of preposterous and absurd demands, by refusing conciliation or arbitration, and by sending masses of workers seething with discontent into the districts to preach their gospels of class hatred and class war to the ignorant masses in the villages of India. Unfortunately for industry, thirty of the more prominent and avowed Communists all over India were arrested in March 1929 under Section 121-A of the Indian Penal Code for organised conspiracy, under the direction of the Communist Inter-

national and other Associated bodies, to deprive the King of the Sovereignty of British India. The trial of these 30 persons in what is now historically known as the famous Meerut Conspiracy case lasted from 1929 to 1932 when some of the prisoners were released on bail pending final judgment. Judgment in the case was delivered at Meerut by Mr. Yorke, the Sessions Judge, on the 16th January 1933. One of the thirty accused died in prison, three were acquitted and the remaining 26 were sentenced to terms of imprisonment varying from transportation for life to three years. Muzaffar Ahmed was transported for life. Dange, Ghate, Spratt, Joglekar and Nimbkar were sentenced to transportation for 12 years, Bradley, Mirajkar and Usmani to transportation for 10 years, Sohansingh Joshi, Abdul Majid and Goswami to transportation for seven years, and Ajodhya Prasad, Adhikari, P. C. Joshi and Desai to transportation for five years. Chakravarti, Basak, Hutchinson, Mitra, Jhabwalla and Sugul were sentenced to rigorous imprisonment for five years, and Shringal Huda, Alwe, Karsle, Gowrishankar and Kadam to rigorous imprisonment for three years. Ghose, Mukerjee and Banerjee were acquitted. All the convicted persons appealed and substantial reductions were made by the Allahabad High Court in the sentences passed by the Sessions Judge of Meerut. Muzaffar Ahmed's sentence of transportation for life was reduced to three years imprisonment. The convictions of Ajodhya Prasad, P. C. Joshi, Basak, Adhikari and Shams ul-Huda were maintained to the extent that their sentences were reduced to the terms of imprisonment already undergone by them and they were ordered to be released from jail. The sentences of Dange and Usmani were reduced to three years, that of Spratt to two, those of Ghate, Joglekar, Nimbkar, Bradley, P. C. Joshi, Majid and Goswami to one year each and that of Chakravarti to seven months. The convictions of Desai, Hutchinson, Mitra, Jhabwalla, Sugul, Karsle, Gauri Shankar, Kadam and Alwe were set aside and they were ordered to be released forthwith. Some of the prisoners who were released have made frantic efforts to regain their hold on Labour Unions. The good sense of the workers has prevailed in most cases, but the Communists have again succeeded in getting into some of the more important Unions,—notably the Railway Unions, and they are again endeavouring to capture the workers in the textile industry in Bombay. In the absence of strong leadership there are, however, several factions in their camps and different groups are working in the same industry.

The depression in trade which set in about ten years ago appears to have reached its zenith during the year 1933. The industry most affected was the Textile. Several cotton mills in Bombay were closed down—some of them permanently and their machinery was scrapped. The failure of Messrs. Currimbhoy, Ibrahim & Sons who controlled ten Mills aggravated the position and tens of thousands of workers were thrown out of employment as a consequence of the closure of the Mills under this agency. In many other cases, the alternative to closure was reduction in the wages in the operatives and over fifty cotton mills of

Bombay City reduced their dear food allowances of 80 per cent for male piece workers and 70 per cent for men time workers and all women by an average of about 25 per cent. One or two mills attempted working more machines to an individual with shorter hours of work and, where workers refused, gave them the alternative of pre-war rates of wages for pre-war standard

of work or more machines with higher pay. Strikes of comparatively short duration occurred in a few individual mills as a protest against these cuts in wages, but the absence of trade union organisation in the industry coupled with a fear of unemployment sent the workers back to work within a few days of their going out on strike.

ROYAL COMMISSION ON INDIAN LABOUR

The British Government, in consultation with the Government of India, appointed on 21st May, 1929, a Royal Commission 'to enquire into and report on existing conditions of labour in industrial undertakings and plantations in British India, on health, efficiency and standard of living of workers and on relations between employers and employed and to make recommendations.' The Royal Commission consisted of the Right Honourable Mr J. H. Whitley as Chairman with the Rt. Hon. Mr Srinivasa Sastri, P.C., Sir Alexander Murray, Kt., C.B.I., Sir Ibrahim Rahimtoola, Kt., J.C.S.I., C.B.I., Sir Victor Sassoon Bart, Dewar Chaman Lal, M.L.A., Miss Beryl M. Le Power Power, Deputy Chief Inspector Trade Boards, England, and Messrs N. M. Joshi, M.L.A., A. G. Clow, C.B.I., J.C.S., G. D. Birla, M.L.A., Kabeer ud din Ahmed, M.L.A., and John Cliff Assistant General Secretary, Transport and Railway Workers Union, England, as members, and with Messrs S. Jall, J.C.S., and A. Dibdin from the India Office, London, as Joint Secretaries. Mr J. H. Green, M.B.I., was Assistant Secretary. Lt. Col. A. J. H. Russell, C.B.I., I.M.S., was subsequently appointed as a Medical Assessor and Mr S. R. Deshpande B. Litt (Oxon) Assistant Commissioner of Labour Government of Bombay was appointed as a Statistician to the Commission. The Commission arrived in India on the 11th October 1929 and after visiting several places in India and examining several representatives of the Central and Provincial Governments, the Railways and Associations of Employers and Employed left for England on the 22nd March 1930. The Commission returned on the 11th October 1930 and after touring Ceylon and Burma went to Delhi in November.

The Report of the Commission was published in June 1931 and is a document of first rate importance which will be the text book of social legislation and labour welfare for many years to come. Moreover, the value of its recommendations is enhanced by the fact that they are practically unanimous and represent the considered opinion of employers, workers, legislators and officials, all of whom were represented on the Commission. Every aspect of the labour problem in India has been considered and discussed and the recommendations number many hundreds and cover a very wide field.

A summary containing the principal recommendations of the Royal Commission, classified according to the subjects with which they deal, was given at pages 474 to 484 of the 1932 edition of this publication. The Government of India, in the Department of Industries and Labour classified these recommendations under six

different groups according as they involved or required (1) Central legislation (2) Administrative action by the Government of India (3) Provincial legislation (4) Administrative action by Local Governments and Administrations (5) Action by public bodies e.g. Municipalities, Universities, etc. and (6) Action by employers and their organisations or by Workers' Unions, and the recommendations so grouped were forwarded by the Government of India to all Local Governments and Administrations under cover of a circular letter dated the 20th September 1931 with a request that Provincial Governments should give careful consideration and examination to those recommendations in connection with which they were required to initiate provincial legislation or to take administrative action and to bring such recommendations as fell within the last two groups to the attention of public bodies and organisations of the employers and the employed concerned. The Government of India published about the end of the year 1932 a first Report showing the action taken by the Provincial Governments up to the 15th July 1932, and by the Central Government up to the 30th September 1932 on the recommendations made by the Commission. Owing mainly to financial stringency, Provincial Governments have so far attempted little local legislation implementing the Commission's recommendations but the Government of India have not only passed six Acts—(1) Act II of 1932 repealing the Employers and Disputes Act 1860 (2) the P.W. Districts Immigrant Labour Act 1932 which replaces the Assam Labour and Immigration Act 1901 as amended by the Amending Acts of 1908, 1915 and 1927, and which came into force on the 1st April 1933, (3) the Trade Disputes Amendment Act 1932 (4) the Children (Pledging of Labour) Act 1933 (5) the Land Acquisition (Amendment) Act, 1933 and (6) the Workmen's Compensation (Amendment) Act 1933 but they have also drawn up two other Bills for (1) amending and consolidating the Indian Factories Acts and (2) a Bill for securing prompter payments of wages and for controlling deductions from wages in respect of fines. The Government of India have also submitted proposals to Local Governments and Administrations for initiating new legislation in connection with the following matters—

(1) The amendment of the Indian Mine Act for a reduction in the weekly and daily limits of hours of work, and for certain other matters,

(2) Employees Liability (Re "Common Employment and 'Assumed Risk'"),

(3) Extension of Workmen's Compensation to Agriculture and Forestry,

(4) Making illegal the Besetting of an Industrial Establishment for the recovery of debts,

(5) Fixation of Hours of Work for Dock Labourers

(6) Allotment of Seimens' Wages,

(7) Exemption of Salaries and Wages from Attachment

(8) Shortening wage periods,

(9) Arrest and Imprisonment for Debt, and

(10) The renewal and amendment of The Trade Disputes Act

The Royal Commission made several recommendations for the control of those factories which do not use power and which are at present not regulated. The Government of India are at present engaged in formulating proposals for a new and a separate Act for the regulation of such factories. Other matters are to be shortly taken up. For a more detailed knowledge of the action taken administratively by the Provincial Governments, Public Bodies and Employers' and Workers Organisations, the reader is referred to the recent report published by the Government of India as it is obviously impossible to give a recital of such matters in a compact book of reference such as the *Indian Year Book*, but as it might be of considerable interest to the users of the *Year Book* to have a summary of the legislative proposals at present under consideration readily available, we propose to substitute in place of the summary referred to above, summaries of the more important changes already effected or proposed to be made in the near future. Other important recommendations made by the Royal Commission have also been included in the various chapters into which this note is divided. The changes effected in connexion with the Workmen's Compensation Act, 1923, and the changes proposed in connexion with other existing labour legislation and Recruitment for Assam will be dealt with under the various headings into which this chapter is divided. Summaries of the proposals for new or other legislation already enacted are given below—

New Labour Legislation.

Proposal to make Besetting an Industrial Establishment for the purpose of collecting debts a criminal and cognisable offence—One of the several recommendations of the Royal Commission is that the besetting of an industrial establishment for the purpose of collecting debts should be made a criminal and cognisable offence. In this connexion the Government of India invited the views of all Local Governments and Administrations in the Department of Industries and Labour Circular letter, dated the 27th August, 1932. The Government of India pointed out that the proposal aims at preventing two practices associated with the recovery of debts from industrial workers. One of these is the system whereby money lenders are permitted by some employers to enter the factory and to collect their dues before the workman receives his pay. The other practice is for the money-lender to

wait outside the factory gate and to secure payment before the workman can part with any portion of his wages. The objection to both these practices is that they tend to make the payment of interest and the repayment of debts the first charge on wages. When the dues are collected within the factory the workman has, as a rule, no means of resisting the deduction, and when the dues are collected at the gate an element of intimidation not infrequently enters into the transaction. The Government of India recognise that the Commission's proposal does not go far enough as it relates only to action in or near an industrial establishment, but it appears to them to offer the possibility of stamping out the practice of recovering private debts at the pay desk and of checking at least the power of the money lender to make his demands a first charge on industrial wages. As such the Government of India are disposed provisionally to support the proposal. Replies from the Local Governments were asked to be submitted by the 1st January 1933, and the matter is under the further consideration of the Government of India.

The Prohibition of the Pledging of the Labour of Children—The Royal Commission found evidence in such widely separated areas as Amritsar, Ahmedabad and Madras of the practice of pledging child labour, that is, the taking of advances by parents or guardians on agreements, written or oral, pledging the labour of their children. In some cases the children so pledged were subjected to particularly unsatisfactory working conditions. The Commission considered that the State would be justified in adopting strong measures to eradicate the evil. The Government of India accepted this recommendation and introduced a Bill in the Legislative Assembly on the 5th September 1932, proposing to impose penalties on parties to agreements pledging the labour of children and on persons knowingly employing children whose labour has been pledged. The Bill was referred by the Assembly to a Select Committee of the House and the Committee presented their Report on the 19th September 1932. They introduced an important modification in the Bill by providing that "an agreement to pledge the labour of a child" which is made without detriment to a child and not made in consideration of any benefit other than reasonable wages to be paid for the child's services, and terminable at not more than a week's notice will not be an agreement within the meaning of the definition of such an agreement. The Bill was passed by the Central Legislature in February 1933, under the title of 'Children (Pledging of Labour) Act'. Sections 2 and 3 of the Act were brought into operation at once and the whole of the Act with effect from 1st July 1933.

Employers' Liability (Re "Common Employment" and "Assumed Risk")—At page 315 of their Report, the Commission recommend that a measure should be enacted abrogating for all workmen the defences of 'common employment' and 'assumed risk' in civil suits for damages arising out of employment. Persons injured by accident may have a remedy by a suit for damages against their employers in the civil court, and it has been

suggested that the law there applicable is inequitable because two defences may be evolved by the employer to defeat claims which he should justly be called upon to meet. One is the defence of 'common employment' by which an employer can plead that an accident was due to the default of a fellow workman and the other is the defence of 'assumed risk' by which an employer is not liable for injury caused to workmen through the ordinary risks of employment and a workman is presumed to have assumed risks which were apparent when he entered upon his occupation. When the Indian Workmen's Compensation Act was first introduced, it had in addition to the provisions for workmen's compensation clauses designed to abrogate these defences in certain cases but the Joint Select Committee of the Legislature deleted the clauses in question apparently because they were not satisfied that the doctrines, which were derived from the British Common Law, would be accepted by Indian courts. They observed at the same time that if the doctrines in question were so accepted and were regarded as inequitable, they should be removed for all workmen and not for the limited classes to which the Workmen's Compensation Bill was to apply. There is little evidence to show that the existing position gives rise to hardship but it is possible that suits are not pursued because of the admitted ambiguity of the law, and the Royal Commission were of opinion that as the defences in question are inequitable, there is need for ensuring that they cannot be invoked. The majority recommended that a measure for this purpose should be enacted and that it might follow the lines of the clauses deleted in 1923, but should, of course, be applicable to all workmen.

The Government of India in the Department of Industries and Labour issued a circular letter dated the 3rd February 1932, addressed to all Local Governments of Governors, Provinces and the Chief Commissioners of Delhi and Ajmer Merwara on the subject. The Government of India point out that the two main objections then by the majority of the Select Committee to the proposal were (1) that it was uncertain that the Courts would accept the defences which the doctrines were designed to remove, and (2) that if the defences were inequitable they should be removed for all workmen and not only for specified classes. The latter objection, in their opinion, is met by the Commission's proposal. As regards the former, they state that the cases of the kind to which the proposed law would be applicable are naturally rare, but that in the only reported case which they have been able to trace (9 A L J 173) the doctrine of common employment was unhesitatingly applied. The Government of India incline to the opinion that the defences in question are inequitable and they are therefore not disposed to attach much weight to the fact that they are seldom likely to be invoked or to any remaining doubt that there may be as to the readiness of the Courts to apply them. The clarification of the law would in itself be, in their view, an advantage and they are disposed to favour legislation on the lines proposed by the Commission. The Government of India however requested that Local Govern-

ment should consider the possibility of limiting the scope of the law so as to exclude all workmen covered by the Workmen's Compensation Act or, alternatively, to include only such of the workmen who are in receipt of more than Rs. 200 per month. The replies forwarded by the local Governments on the subject are under the consideration of the Government of India.

Amendment of the Land Acquisition Act 1894—A Bill further to amend the Land Acquisition Act 1894, for certain purposes was introduced in the Legislative Assembly on the 12th September 1932. It was decided during the debate that the Bill should be circulated for purposes of eliciting opinion thereon. The Government of India accordingly circulated a Bill for opinion to all Local Governments, the Administrations and a cover of Legislative Assembly Department letter, dated the 29th September 1932. It was based on the proposal of the Royal Commission on Indian Labour that the Land Acquisition Act be so amended as to enable land to be acquired when it is intended for the housing of labour either by companies or by other employers. The Royal Commission stated that in a number of instances brought to their notice land suitable for the development of housing schemes had been held at random by the owners, and that fantastic values were placed upon it as the result of the construction of factories and other industrial concerns in the neighbourhood. The provision of adequate housing for workmen is one of the urgent needs of industry and this Bill sought to give effect to that recommendation. The Bill was passed by the Indian Legislature in September 1933 under the title of the Land Acquisition (Amendment) Act 1933.

Hours of Work of Dock Labourers—

There is at present no legal restriction on the hours of work of dock labour in India and the Royal Commission who examined this question recommended that the normal daily hours prescribed by law should be fixed at nine and that overtime should be allowed up to a maximum of three additional hours on any one day, overtime being paid for it 33½ percent over ordinary rates. The Government of India have not been able to arrive at any definite conclusions regarding the practicability of controlling the hours of work in the present conditions of dock labour in India and feel a difficulty as to the form which the necessary legislation should take if the recommendations are finally accepted. They therefore addressed a circular letter in November 1932 to Local Governments who control Ports, major or minor, asking them to examine the question and to furnish the Government of India with their views. The Government of India have pointed out in their circular letter that if the necessary legislation takes the form of an amendment or an amplification of the Indian Ports Act, 1908, it would be straining the scope of the Act thereby, and that if it be framed as a separate Act there would be difficulties in the use of the term 'employer' and in framing penal sections. They are disposed to the view that the most suitable method of giving statutory effect to the recommendations would be to amend the Indian Factories Act on the analogy of the Factory and Workshop Act, 1901, of the United

Kingdom, expanding the scope of the term 'factory,' so as to include docks, wharfs, quays, etc

The circular letter of the Government of India also raises the question of minimum age for the employment of children in ports. As a result of the consideration given to the Washington Convention fixing the minimum age for admission of children to industrial employment, the Indian Legislature passed an Act in 1922 making it obligatory on Local Governments to frame rules under the Indian Ports Act of 1908 prohibiting the employment of children under the age of 12 years upon the handling of goods at piers, jetties, landing places, wharves, quays, docks, warehouses and sheds. This enactment did not prevent children below the prescribed age being employed on the waterside of the ship as it was not clear whether the Act prohibited such employment or not. The matter was put beyond doubt by a subsequent amending Act which covered all employment in handling of goods "in any port subject to this Act. The Royal Commission considered that work of this kind is not suitable for children and a system of half time working is not practicable. They therefore recommended that the minimum age should be raised to 14 years. The Government of India are provisionally in agreement with this recommendation and also with another which suggests that the enforcement of these provisions should be entrusted to the factory inspection staff. Local Governments with major or minor Ports were asked to submit opinions after consulting the interests concerned. The majority of bodies consulted were not in favour of legislation regarding hours of work for dock labourers but favoured the raising of the minimum age of children employed within the limits of Ports. The whole matter is still under consideration of the Government of India in the Department of Commerce.

Exemption of Salaries and Wages from Attachment.—The Royal Commission have made several recommendations in connexion with the indebtedness of industrial workers and have suggested various methods not only for reducing such indebtedness but also to protect the workers from unnecessary harassment in the matter of the repayment of their debts. Their first recommendation in this connexion refers to the recovery of debts through employers. The Commission state that under the Civil Procedure Code it is possible for a money-lender to secure the attachment of the wages of any one who is not a labourer or a domestic servant and they understand that the majority of workers in industry would not be regarded as labourers within the meaning of the Act. But in respect of certain classes of employers, particularly railway servants and the servants of local authorities, the law allows the money lender to use the employer as his debt collector to a much larger extent. In such cases it is possible to attach half of the employee's salary or the amount by which that salary exceeds twenty rupees a month whichever is less. In some cases private employers are required to make similar recoveries although the legality of this is doubtful. Thus in the case of an employee in receipt of a regular salary, the money lender can secure an order directing the railway administration to hand

over, month by month, a large part of the employee's salary until the whole decree has been covered—a period which extends in some cases to years rather than months. The comparative security of railway service further increases the attraction of the railway servant for the money lender, and all the evidence received by the Commission goes to show that the level of indebtedness in terms of wages is higher among railway servants than among industrial employees as a whole. The Commission, therefore, recommended that the salary and wages of every workman receiving less than Rs 300 a month be exempted entirely from the possibility of attachment. If, on examination, there are found to be objections to applying this exemption to every one employed on a salary less than Rs 300 a month, the Commission consider that the definition of 'workman' in the Workmen's Compensation Act might be suitable.

The Government of India in the Department of Industries and Labour issued a circular letter dated the 25th November 1932 to all Local Governments and Administrations inviting an expression of their views on the subject. The Government of India are of opinion that the Commission were disposed to favour the grant of such exemption to all persons receiving less than Rs 300 a month, and they, therefore, consider that it is desirable to review the questions generally, and not solely with regard to industrial employees. Replies to their letter were asked to be submitted by the 1st April 1933 and the matter is under consideration by the Government of India.

Arrest and Imprisonment for Debt.—On page 232 of their Report, the Royal Commission recommend that, at least so far as industrial workers in receipt of wages or salary amounting to less than Rs 100 per month are concerned, arrest and imprisonment for debt should be abolished except where the debtor has been proved to be both able and unwilling to pay. The form of the recommendation suggests that the Commission would have favoured a more general abolition for arrest and imprisonment for debt had their terms of reference been wider.

The present law on the subject is contained in Sections 51 and 55 to 59 of the Civil Procedure Code read with rules 37 to 40 in Order XXI. Under the substantive provisions of the Code a judgment debtor other than a woman may be arrested and detained in prison in execution of a decree. But under rule 37 Order XXI, a court may, in lieu of issuing a warrant of arrest, issue a notice calling upon the judgment debtor to show cause why he should not be detained. Under rule 40 the Court may disallow his arrest and detention. There is thus no obligation on the Court at any stage to order either the arrest or the imprisonment of a debtor who is genuinely unable to pay but when a judgment debtor is brought to court the burden of proving that he is unable to pay rests on him.

The important question for consideration is whether imprisonment for debt (where there is no contumacy) should be abolished generally. This question has been considered on various occasions in the past notably in the years 1881-

83. Opinion on the subject was deeply divided but the Government of India reached the conclusion that imprisonment for debt where no fraud was proved should disappear from the Indian Statute book as soon as the conditions of the country permitted it. This consideration led to the passing of the Debtors Act 1888 by virtue of which imprisonment for debt was abolished in the case of female debtors and in the case of other debtors the courts were granted a discretion which they did not previously enjoy to refuse to issue a warrant of arrest at the pleasure of a decree holder and also to order the release of debtors who were genuinely unable to pay. No appreciable advance has been made since 1888 for the elimination of imprisonment of debt.

Following the recommendations of the Royal Commission the Government of India have given careful consideration to the various questions involved and they issued a comprehensive circular letter on the subject to various local governments for their opinions. Replies were asked for by the 30th November 1933 and the question *whether arrest and imprisonment for debt where no contumacy is proved should be abolished either generally or for particular classes of persons* is being considered by the Government of India.

Extension of Workmen's Compensation to Agriculture and Industry.—In their recommendation No. 231, the Royal Commission suggested that the question of the inclusion of persons employed by the larger agricultural employers and of those employed in reserved forests deserves examination. The Government of India addressed a circular letter dated the 21st December 1931 to all Local Governments and Administrations inviting their views on the subject after consulting the interests concerned. Replies were requested by the 1st June 1932. In the light of the replies received, the Government of India arrived at the conclusion that no action is desirable at present on the question of the inclusion in the Workmen's Compensation Act of persons employed by the larger agricultural employers. The proposal for the inclusion of fresh employees is still under consideration.

Payment of Wages and Deductions.—The recommendations of the Royal Commission on Indian Labour in connexion with the disbursement of wages fall under three distinct categories: (1) Prompter payments, (2) a legal limitation of the wage period, and (3) the control of deductions from wages in respect of fines. The Government of India have implemented the Commissions recommendations under the first and the third heads and they introduced the Payment of Wages Bill in the Legislative Assembly on the 1st February 1933. A motion for the circulation of the Bill was moved on the 14th February and was adopted. The Bill was then forwarded to all Local Governments and Administrations for opinion after consulting the interests concerned. The Government of India hope to introduce a motion for the reference of the Bill to a Select Committee during the budget session of the Assembly early this year.

Section 3 of the Payment of wages Bill requires that wages in all factories controlled by the Indian Factories Act shall be paid before the

expiry of the seventh day from the last day of the wage period in which the wages have been earned unless the seventh day is a non-working day in which case wages should be paid on the first working day subsequent to such non-working day. Where the employment of any person is terminated by or on behalf of the employer the wages due are to be paid before the expiry of the second day from the day on which his employment terminated. No provision is made in the Bill for the prompt payment of wages to those workers who terminate their employment themselves with or without giving notice nor have the Government of India accepted the recommendation made by the Labour Commission that a week's notice on either side should be made legally binding both for the employers and the employed. Omission to provide for these matters raises a moot point as to whether the Common Law of Master and Servant with regard to contracts of employment is to stand or whether the new Bill is intended to set such law aside.

The deductions which an employer can make from the wages due to his workmen are defined in Section 4 of the Bill which states that not withstanding the provisions of sub-section (2) of Section 47 of the Indian Railways Act 1890, or of any other law for the time being in force the wages due to an employed person shall be paid to him without deductions of any kind except those authorised by the Act. Deductions which are authorised by the Act may be of the following kinds: (1) deductions by way of fine, (2) deductions for damage or loss attributable to the workers' neglect or default, (3) deductions in respect of housing accommodation, tools or raw material supplied by the employer, and (4) deductions in respect of such other services supplied by the employer as the Local Government or the prescribed authority may by general or special order authorise. As this section stands framed, employers are presumably not permitted to effect deductions from wages for income tax or for judgment debts on the orders of courts. No deductions by way of fine are permitted in the case of wages due to children under fifteen years of age.

Deductions by way of fine are to be limited to half an anna in the rupee in any one month and the recovery of a fine is not to be spread over more than two consecutive wage periods. All deductions by way of fine are to be recorded in special registers maintained in such form as may be prescribed by the Local Governments and the proceeds of all such deductions are to be expended only on such purposes as are beneficial to the persons employed in the factory or establishment as are approved by an authority to be prescribed.

Deductions for damage or loss attributable to a workers neglect or default are permitted in addition to those which can be made by way of fine but such deduction is not to exceed the amount of the loss caused to the employer by the neglect or default of the employed person or where the damage or loss is to an article manufactured for sale, the wholesale price of that article. Section 6 of the Bill which covers these deductions would appear not only to permit a continuation of the practice to be found in certain centres of the textile industry in India

where employers hand over damaged material to the workers and effect deductions from their wages at the wholesale or the cost price of the finished article, but also to entitle an employer to both kept the damaged article and to deduct its value from the wages of the workman concerned. Deductions in respect of housing accommodation, tools, raw material or other services rendered by the employer cannot be made unless these services have been voluntarily accepted by the workmen.

The Act in the first instance is intended to cover all factory workers and railway employees but the latter are to be exempted from the operation of that part of the Bill which deals with prompter payment of wages. Local Governments, however, have power to extend the Act to any class of industrial undertakings. The administration of the Act is to be in the hands of the Factory Department for factories and the Supervisors of Railway Labour for railway employees. Regarding procedure and penalties, Local Governments are authorised to appoint Magistrates or other persons as primary courts for the hearing of complaints regarding claims. These primary courts can award compensation up to ten times the amount of the claim. Penal proceedings against an employer can only be launched with the sanction of the prescribed authority and only if the claim in the past instance has been successful. The penalties for offences under the Act are fines upto Rs 500 and for offences under the Rules to be framed under the Act fines upto Rs 100. No contracting out of the

Act is to be permitted and appeals are not to be allowed.

With regard to the fixation of shorter wage periods of a week or a fortnight, the Government of India did not feel that they were on the same ground as they were with regard to prompter payments and the control of deductions and they have therefore made no provision in the Payment of Wages Bill to cover this matter. Instead, they addressed a circular letter to all Local Governments asking for opinions on the subject of the advisability of legislating for shorter wage periods. Replies to this circular letter were required to be submitted by the 30th October 1933. It is understood that where the monthly wage period exists the workers themselves are against the introduction of a shorter period as they are afraid that unless there is a universal change in accounting from monthly to fortnightly or weekly, the shorter wage period will not be of any material benefit and that on the other hand weekly or fortnightly rents might be higher in total incidence than monthly rents and that in large towns like Bombay the thrifter workers will squander away their earnings more rapidly with quicker payments. The replies submitted by the various Local Governments to the Government of India are under consideration by that Government.

The modifications and amendments suggested by the Royal Commission on Indian Labour with regard to existing labour legislation will be dealt with in the respective sections dealing with the separate subjects.

INDUSTRIAL WORKERS IN INDIA.

In 1922 India obtained recognition by the League of Nations as one of the eight chief Industrial States in the world. The grounds on which this claim was based are stated in the Memorandum prepared by the India Officer which gave the following figures to illustrate the industrial importance of the country —

"28,000,000 agricultural workers (excluding peasant proprietors), 141,000 maritime workers, lascars, etc., a figure second only to that for the United Kingdom, over 20,000,000 workers in industries including cottage industries, mines and

transport, railway mileage in excess of that in every country except the United States."

The figures for the 1931 Population Census for India show that the number of Agricultural Labourers has increased to nearly 31½ million. This figure excludes cultivating owners (27 million), Cultivating Tenants (34 million), Landlords (3½ million) and others (6½ million). The number of earners plus working dependants in Industry, Trade, Transport and Mines amounts to twenty six millions. Nearly eleven Million persons are employed as domestic servants.

The latest figures for the numbers employed in factories are those available in the All India Report for Factories for 1932, which are reproduced in Summary Form in the tables given below —

Growth of Factories

Year	Number of Factories	Average Daily Number of Persons Employed
1922	5,144	1,361,002
1923	5,985	1,409,173
1924	6,406	1,455,592
1925	6,926	1,494,958
1926	7,251	1,518,391
1927	7,515	1,533,382
1928	7,863	1,520,315
1929	8,129	1,553,169
1930	8,148	1,528,302
1931	8,143	1,438,487
1932	8,241	1,419,711

Age and Sex Distribution of Factory Labour

Year	Men	Women	Children	Total
1922	1,086,157	206,887	67,678	1,361,002
1923	1,113,508	221,015	74,620	1,409,143
1924	1,147,720	235,332	72,531	1,455,582
1925	1,178,710	247,514	68,725	1,494,949
1926	1,208,628	249,669	60,094	1,518,391
1927	1,222,662	251,158	57,562	1,531,382
1928	1,216,171	252,033	50,911	1,519,115
1929	1,219,165	257,161	46,843	1,523,169
1930	1,225,425	254,005	37,972	1,517,402
1931	1,371,372	291,181	26,912	1,689,465
1932	1,172,296	225,632	21,789	1,419,717

Statistics for 1932 (1) By Provinces

Province	Number of Factories	Average Daily Number of Persons Employed
Madras	1,452	182,960
Bombay	1,575	389,647
Bengal	1,187	454,007
United Provinces	156	101,474
Punjab	515	45,069
Burma	948	90,578
Bihar and Orissa	283	65,515
Central Provinces and Berar	713	61,627
Assam	630	45,181
North West Frontier Province	25	1,101
Baluchistan	17	2,443
Ajmer-Merwara	36	13,588
Delhi	11	12,875
Bangalore and Coorg	24	1,644
Total	8,241	1,410,711

Statistics for 1932 (2) By Classes of Concerns

Class of Concerns	Number of Factories		Average Daily Number of Persons Employed	
	Perennial	Seasonal	Perennial	Seasonal
Government and Local Fund Factories	336	6	120,709	266
Textiles	192		669,236	
Cotton (Spinning and Weaving)	107		395,807	
Jute Mills	100		263,429	
Engineering	609		115,294	
Railway Workshops	81		49,629	
Minerals and Metals	128		43,695	
Food, Drink and Tobacco	983	2,235	50,438	147,118
Chemicals and Dyes, etc	397	13	44,471	1,728
Paper and Printing	365		29,327	
Processes relating to glass, wood and stone	364	1	33,154	74
Processes connected with Skins and hides	41		5,329	
Gins and Presses	3	2,146	122	149,843
Miscellaneous	84	8	8,735	172
Total	3,802	4,439	1,120,510	299,201

In 1931 for the first time since the publication of the above statistics the figures for the number of factories and the persons employed are classified according to perennial and seasonal factories. In 1932 the total number of perennial factories amounted to 3,802 with 1,120,510 workers and the number of seasonal factories amounted to 4,439 with 299,201 workers.

MIGRATION.

The principal occupation of India being agriculture there are naturally no large movements of population from one part to another. Where the migration figures are high it is generally in the small units. Thus Delhi has 41 per cent of immigrants and Ajmere Merwara 19, while in Ajmere City itself there are as many immigrants as there are natives.

Immigration influences the population of India very little. The 1931 census shows only 730,562 persons as born outside the country as against 603,526 in 1921. As against this must be set off on account of emigration about one million persons who are estimated to have migrated during the decade 1921-1931.

In the case of India migration is however of more importance, varying in British India from 1,244,240 (net) immigrants into Assam to 15,536 (net) immigrants into the North West Frontier Province. In Assam immigration is the highest among all the provinces in India. On the other hand immigration from Bihar and Orissa is the greatest. In the past the tendency was for migration to take place from the Native States to British India but during the decade 1921-1931 this position has been revised and the trend of migration has been on the whole from British India to the States, where the density is generally lower. Among the States, Bikaner provides a most striking example of immigration from British India. In 1931, the number of immigrants in Bikaner was 161,303 or 58 per cent of its increase in population. Of the immigrants about 51 per cent were from British India.

Internal migration is of several periods (1) casual migration, involving minor movements between neighbouring villages (2) *Temporary* migration which is mainly due to demand for labour on canals and public buildings and to pilgrimages and fairs, (3) *Periodic* migration which is caused by recurring seasonal demands (4) *Semi permanent* migration is that of persons who maintain constant contact with their homes, although earning their livelihood elsewhere. Such persons often leave their families at their native places during the period of migration where they themselves ultimately return from the place of migration and (5) *Permanent* migration is that in which the migrants leave one place for another for good. In addition mention may be made here of another form of migration which may be called *daily*.

The best example of casual migration is furnished by the Punjab and Delhi. Periodic migration is particularly heavy at harvest time and also at the changes of season when traders, herdsmen, cultivators and labourers from Kabul, Baluchistan, Kashmir and the hills move down to the plains for the winter months. Temporary migration continues throughout the year.

Within the Provinces—It is neither necessary nor feasible to deal with the various streams of migration between district and district of the same province or within a district. These movements vary according to times and seasons, but it may be useful to show the extent to which and the source from which some of the more important industrial centres draw their labour force.

Assam's immigration is generally speaking of the permanent type. There have however been some changes since 1921 in respect of the sources of Assam's labour supply. Madras is the only province showing any increase in emigration to Assam while there has been a great decrease in emigration to Assam from Bihar and Orissa. There has been a steady increase in labour obtained locally, indicating greater freedom and fluidity. On the other hand the whole complexion of the population of Assam is being altered by the permanent immigrants from Mymensingh in Bengal. The third class of immigrant in Assam is the *Nehali* but their numbers are decreasing.

Bihar and Orissa is typical of the rest of India in its immobility of labour, 959 persons out of every 1000 being born therein. It has, however, a higher emigration figure than any other province. The net loss to the province by emigration is 17,58,000. As in the case of Assam here also a change is however taking place and the loss by emigration is considerably less than in the previous decade. Immigrants have decreased by 1,97,000 and immigrants have increased by 70,000.

In the case of the United Provinces emigration has increased by a net balance of 1,58,000.

Madras is the third highest province so far as emigration is concerned but its emigration is mostly overseas. The 1931 figures show a very marked increase in emigration to Malaya.

In the Central Provinces there is a growth in 'Daily Migration'.

As between British and State Territory migration in 1921 was against the States and in favour of British India but this position was reversed in 1931. Whereas in 1921 the net loss to the States was 1,24,000 in 1931 the States gained 4,90,935 from British India.

As between British India and the French and Portuguese settlements the balance of migration is greatly in favour of British India.

The two most important countries for Indian emigration are Malaya and Ceylon. Recruiting of Indian labour to Malaya was however stopped in 1930. None the less in 1931 over 6 lakhs Indians were found in that country. In the case of Ceylon emigration of Indian labours continued in spite of the slump in the tea and rubber industries.

OCCUPATIONS OF THE PEOPLE

At the 1931 Census several changes were made as regards the collection and presentation of occupational statistics. The principal amongst these was that a complete compilation of figures of subsidiary occupations was attempted for the first time. The Census however shows that instead of the proportion of non working dependants to workers having been reduced by the new distinction between earners and working dependants the proportion of non working dependants has actually increased. Thus, while in 1921 out of every 100 persons 46 were workers and 54 dependants, in 1931, 41

were workers and 56 dependants. This increasing dependence is attributed partly to the difficulty of finding employment.

The proportion of earners to working dependants is about nine to two i.e., of the total working population 81 1 per cent is in direct receipt of wages or other sources of income and the other 18 6 per cent are helpers of the wage earners.

The following table shows the distribution of occupations per 10,000 livelihoods according to classes and sub classes —

Class and sub class	Means of subsistence	Total	Principal Occupation		Dependent Occupation		Subsidiary Occupation	
			Males	Females	Males	Females	Males	Females
A, B, C & D	All Occupations	10,000	5,772	1,819	451	1,242	673	211
A	Production of raw materials	6,584	1,081	1,103	344	610	375	71
I	Exploitation of animals and vegetation	6,560	4,066	1,099	343	610	372	70
II	Exploitation of minerals	24	15	4	1		3	1
B	Preparation and supply of material substances	1,756	1,054	305	54	104	202	37
III	Industry	1,038	610	103	30	76	108	21
IV	Transport	165	118	10	7	4	24	2
V	Trade	553	326	102	17	24	70	14
C	Public administration and liberal arts	286	210	18	14	4	38	2
VI	Public force	56	49		1		6	
VII	Public administration	69	55	2	2	1	9	
VIII	Professions and liberal arts	161	106	16	11	3	23	2
D	Miscellaneous	1,374	427	223	42	523	58	102
IX	Persons living on their income	16	9	2	1		4	
X	Domestic service	751	107	53	17	469	14	91
XI	Insufficiently described occupations	503	260	142	12	46	34	9
XII	Unproductive	104	51	26	12	8	6	1

The following table compares the distribution of occupations in 1931 with that disclosed by the 1921 census —

Class of sub class	Means of subsistence	Distribution of 10,000 workers in	
		1921	1932
A	Production of raw materials	7,241	6,734
I	Exploitation of animals and vegetation	7,217	6,711
II	Exploitation of minerals	24	23
B	Preparation and supply of material substances	1,759	1,665
III	Industry	1,075	997
IV	Transport	134	153
V	Trade	550	515
C	Public administration and liberal arts	283	269
VI	Public force	71	55
VII	Public administration	69	64
VIII	Professions and liberal arts	143	150
D	Miscellaneous	717	1,332
IX	Persons living on their income	13	14
X	Domestic service	173	708
XI	Insufficiently described occupations	406	505
X	Unproductive	125	105

Some of the differences revealed by the above table between 1921 and 1931 are no doubt due to changes in classification. But it is possible that the greater prevalence of unemployment in 1931 as compared to 1921 has contributed to the diversion of returns from definite to indefinite categories. A close examination of the detailed figures in the report however tends to show that there is a general tendency towards increase in what may be described as modernized occupations.

The following table classifies occupations by sex —

Among careers in principal occupations the number of females per 1,000 careers is 222. Among working dependants on the other hand females number 733 to 267 males, while if principal and dependent occupations are taken together, the proportion of actual female workers to male is 317 to 683 in every 1,000.

During the 1931 census special returns from factories were not called for. It is seen, however, that the number of workers employed in organized factories is extraordinarily low for a

population of the size of that of India, being only 15,53,169. The All India figure for persons occupied in plantations, mines, industry and transport in 1921 was 24,239,555 while in 1931 it was 26,187,689.

Pasture and agriculture occupies 71 per cent of the actual workers of India, or, if those who follow it only as a subsidiary occupation are excluded it accounts for 67 per cent. Industry occupies 10 per cent of India's workers as compared to 11 per cent in 1921. The one industrial order in which a marked increase has taken place is production and transmission of physical force. Trade shows a decrease and so do 'professions and public force'. There has however been an increase in the category 'private income and domestic service'.

The 1931 census report contains an interesting analysis of castes by occupation. It shows that in the majority of cases about half the males retain their traditional occupation. About a quarter or less of the half of those that have abandoned their hereditary occupations as their principal means of subsistence retain them as subsidiary.

RECRUITMENT OF LABOUR

The methods adopted for the recruitment of labour in India have received general condemnation even from employers and the Whitley Commission has much to say on the subject.

Recruitment except in the case of special apprentices and higher paid workers employed on railways, is effected either through Sardars (Recruiters) or Contractors, or direct at the mill or factory gates. The difficulties in connexion with recruitment are due (1) to the want of a stable labour force at any particular town or centre, (2) to the general illiteracy of the Indian labourer, and (3) to the inherent attachment of the worker taking up industrial employment to his village life and home.

The contractor is sent out to overcome the innate conservatism of the Indian peasant. He is helped in his work by the poverty and indebtedness of the peasant and also by occasional bad harvests, but in addition he not infrequently indulges in fraud and misrepresentation by painting a rosy picture of the future that awaits the peasant in a town with its crowded bazaars and other amusements which are absent in the village. The essence of the system is the payment of an advance to the prospective labourer in order to enable him to free himself from his pecuniary difficulties. The contractor retains some form of control over his recruits and takes good care to recover the amount of the advance together with interest, which is generally calculated at an exorbitant rate. Generally, the employers do not deal directly with the labourers recruited by a contractor. The latter is paid a lump sum from which he pays his men and retains a portion for himself. In the Central Provinces, however, it is reported that labour is actually purchased from private

contractors at so much per head. The system of recruitment by contractors is most in use in Burma owing to the scarcity of labour in that province and the necessity of recruitment from distant places.

The method of recruitment through Sardars is also dependent on the payment of advances, which however are made at the cost of the employer. The Sardar is an operative already at work in the mill or plantation and is sent out to recruit labour from among his relations, acquaintances or neighbours. He is drawn therefore from the same class as the recruits themselves and can therefore be relied on to deal more fairly with them. Another advantage of this system of recruitment is that the men recruited are insured against unemployment and find work waiting for them at their destination. On the other hand, it does not infrequently happen especially in the Tea Gardens in Assam that the Sardar remits persons who are lured away from their homes by prospects of a bright future and who, on arrival, find that conditions of work and wages are not so bright as they imagined. It is, however, only in plantations that this form of recruitment has been used to any appreciable extent.

The recruitment of labour at the mill gate or at the surface of mines is the form of recruitment which is gradually gaining in importance over the other two methods. The news of the very much higher rates of wages paid in towns (which to the villager sounds fabulous as he has no idea of the higher cost of living) spreads throughout the countryside and draws large crowds of would-be workers. They are to be found at convenient gathering places on the thoroughfares waiting to be picked up for employment.

The older hands also return from their village with groups of friends, relations and neighbours who come in the hope of finding employment in the mills. But the ignorance, simplicity and poverty of the Indian peasant render his exploitation an easy matter. The employer does not recruit himself the men required for his establishment but holds the overseer, jobber or mukadam responsible for the adequate supply of labour in the department. The latter takes the place of the contractor and exacts bribes from the new recruits. He also acts as a money lender and thereby reaps a double harvest from the needy labourer. It would appear therefore that education and organisation are the only means by which Indian workers can escape from the clutches of intermediaries who like harpies are ever ready to prey on them.

In the coalfields in Bihar and Orissa unskilled labour is recruited by means of Sardars. The Sardar visits villages and brings the labour with him, and the labour brought by him forms his gang. He has to pay the labour *buel sheesh*, *lhora* and travelling expenses, and for this purpose he frequently receives advances either from the contractor or from the Company concerned. At the Bhowra colliery advances varying from Rs 3 to Rs 10 are paid to the recruits in addition to their travelling allowances and food. Such advances are seldom recovered and never if the gang maintains good attendance at work. The Sardar obtains remuneration for his services in various ways. Sometimes he is paid a commission and a salary, but generally he is paid a certain amount on each ton of coal raised by miners working in his gang. Independent recruiters are paid at 9 pies per tub raised. In the Central Provinces the recruiters or mukadams as they are called receive 3 pies per head per week from the individual labourers whom they recruit and wages from the employers.

The Tata Iron and Steel Company at Jamshedpur maintains an Employment Bureau where skilled and unskilled workers are registered and employed. Applicants for work assemble in a yard and daily requirements are selected by the officer in charge. No outside recruitment is done in the literal sense of the word, but in the event of special qualifications being required and no applicants being available, the post is advertised in a few leading newspapers.

The methods adopted by different Indian railways for the recruitment of unskilled labour are generally the same as those which obtain in other industries. In the case of workshop men, a trade test is generally given and in every case a medical examination has to be gone through. Special apprentices for the higher grades are engaged by all Railways. The terms and conditions attached to apprenticeship in most cases are similar.

The Royal Commission on Indian Labour has made several recommendations with regard to the employment of the factory worker for the guidance of employees in general. We reproduce below some of the more important of these recommendations—

(a) Jobbers should be excluded from the engagement and dismissal of labour

(b) Whenever the scale of the factory permits it, a Labour Officer should be appointed directly under the General Manager. His main functions should be in regard to engagements, dismissals and discharge.

(c) Where it is not possible to appoint a whole time Labour Officer, the Manager or some responsible officer should retain complete control of engagements and dismissals.

(d) Employers' Associations in co-operation with trade unions should adopt a common policy to stamp out bribery.

(e) Where women are engaged in substantial numbers, at least one educated woman should be appointed in charge of their welfare and supervision throughout the factory.

(f) Workers should be encouraged to apply for definite periods of leave and should go with a promise that on their return at the proper time they will be able to resume their old work. Whenever possible an allowance should be given to the worker who goes on leave after approved service.

Messrs J. D. Sassoon & Co, who control eleven cotton textile mills in Bombay and the Burma Shell Corporation, have appointed Special Labour Welfare Officers to recruit labourers and look after their welfare. The acute trade depression has, however, prevented a more general adoption of this system but several firms are making noteworthy attempts to improve existing methods of recruitment in factories.

Recruitment for Assam. The Assam Labour and Emigration Act, 1901, was designed mainly to regulate the recruitment and engagement of indentured labour. It had not been possible for some years for any worker in Assam to be subjected to a penal contract and, in consequence of this and other changes, the law became entirely unsuited to present conditions. Attempts were made by amending Acts in 1908, 1915 and 1927 to adapt the Act to meet altering conditions. Substantial parts of the original Act were repealed and large numbers of rules framed in an endeavour to use the Act to regulate the recruitment of emigrants who are subject to no indenture. These changes proved inadequate and they made the law extremely confused. Large parts of the surviving provisions of the Act became completely ineffective and those provisions which were operative were open to weighty criticisms.

During the years 1926-1928 the Government of India carried on consultations with the Local Governments in regard to amending the law governing recruitment of labour for the Assam tea gardens. In the meanwhile, the Royal Commission on Labour had been appointed and they collected a large amount of evidence on the subject. The Commission recommended the replacement of the existing legislation by a new enactment and suggested that the power conferred by section 3 of the Assam Labour and Emigration Act of 1901 to prohibit recruitment for Assam in particular localities should be withdrawn immediately. They recommended that the new Act should provide (a) that no assisted emigrants from controlled areas should

be forwarded to the Assam tea gardens except through a depot maintained either by the Tea Industry or by suitable groups of employers and approved by the Local Government or by such authority as it may appoint, (b) that the Government of India should have power to frame rules regarding transit arrangements, in particular for the lying down of certain prescribed routes to Assam and for the maintenance of depots at necessary intervals, and (c) that in the event of the recrudescence of abuses, Government should have power to reintroduce in any area the prohibition of recruitment otherwise than by means of licensed *garden-sirdars* and licensed recruiters. Another recommendation of the Commission was that the Assam Labour Board should be abolished and in its place the Government of India should appoint a Protector of Immigrants in Assam to look after the interests of emigrants from other Provinces. With regard to the question of repatriation, the Commission recommended that every future assisted emigrant to an Assam tea garden should have the right after the first three years to be repatriated at his employer's expense and that the Protector should be empowered to repatriate a garden worker at the expense of the employer within one year of his arrival if it is found necessary on the ground of health, unsuitability of the work to his personal capacity or for other sufficient reason.

The Government of India framed a Bill called the Tea Districts Emigrant Labour Bill, based mainly on the recommendations of the Commission but with variations in respect of minor details. The Bill was introduced in the Legislative Assembly on the 11th March 1932 and was circulated to all Local Governments for opinion. It was then referred to a select Committee who presented their Report to the Assembly on the 5th September 1932. The Bill as amended by the select Committee was passed by the Indian Legislature in September 1932 and received the assent of the Governor General on the 8th October 1932. The new Act came into operation from the 1st April 1933.

The Tea Districts Emigrant Labour Act, 1932, extends to the whole of British India including the Southern Parganas and repeals the Assam Labour and Emigration Act, 1901, and the subsequent amending Acts. The first object of the Act is to make it possible, on the one hand, to exercise all the control over the recruitment and forwarding of assisted emigrants to the Assam Tea Gardens as may be justified and required by the interests of emigrants and potential emigrants, and, on the other hand, to ensure that no restrictions are imposed which are not justified. Local Governments are empowered, subject to the control of the Government of India, to impose control over the forwarding of assisted emigrants (Chapter III) or over both their recruitment and their forwarding as occasion may dictate (Chapters III and IV). Employers will be prevented from recruiting otherwise than by means of certificated *garden sirdars* or licensed recruiters. It is made unlawful to assist persons under 16 to emigrate unless they are accompanied by their parents or guardians. With regard to the question of repatriation (Chapter II), every emigrant labourer, on the expiry of a period of

three years from the date of his entry into Assam, will have the right of repatriation as against the employer employing him at such expiry (Section 7) and any emigrant labourer who before the expiry of three years from his entry into Assam is dismissed by his employer otherwise than for wilful and serious misconduct will also have the right of repatriation (Section 8 (1)). It will also be possible to claim repatriation within three years in the event of the emigrant failing in health, not being provided with suitable work or having his wages unjustly withheld or for any other sufficient cause (Section 10 (1)). Further, repatriation can be ordered at any time by a criminal court in the case of a labourer who has been assaulted by the employer or by his agent (Section 11). Where an employer fails to make all the necessary arrangements for the repatriation of a labourer working under him within fifteen days from the date on which a right of repatriation arises to an emigrant labourer the Controller may direct the employer concerned to despatch such labourer and his family or to pay him such compensation as may be prescribed within such period as the Controller may fix (Sections 13 and 15).

Section 3 of the Act makes provision for the appointment of a Controller of Emigrants with some staff and possibly one or more Deputy Controllers for supervising the general administration of the system which the Act seeks to establish, and the charges are to be met from an annual cess called the Emigrant Labour cess which shall be levied at such rate not exceeding Rs 9 per each emigrant as the Governor General in Council may, by a notification in the "Gazette of India," determine for each year of levy.

The provisions of the Act are intended to apply only to emigration for work on tea plantations in the eight specified districts in Assam in the first instance but power is retained to extend its application to other industries and to other districts in Assam if necessary (Section 38).

Latest Statistics—The Annual Report on the working of the Assam Labour Board during the year ending the 30th June 1932 is the latest available. The Report shows that the total number of persons recruited during the year was 49,857 as against 50,555 in the previous year. The average of advances to garden sirdars for each adult recruit fell in 25 and rose in 3 agencies as compared with the preceding year. No cases occurred in which the local Agents were found to be extravagant or indiscreet in the matter of giving advances to sirdars. The total number of garden sirdars prosecuted for offences in connexion with recruitment was 32 as compared with 69 in the previous year. The rate of cess on garden sirdars and emigrants was eight annas per head during 1931-32. The actual receipts from the cess amounted to Rs 26,721-8-0.

Reforms in the Bombay Cotton Mill Industry—In a circular letter dated the 8th January 1930 the Bombay Millowners' Association instructed all mills affiliated to the Association to introduce, wherever possible, a policy of direct recruitment of labour instead

of the existing practice of recruitment through jobbers. The introduction of a system for providing Discharge Certificates to operatives leaving service was also recommended. The certificates are to contain a record of the service of the operative concerned and in all cases of recruitment, the men presenting themselves for employment will be asked to produce their Discharge Certificates. Notices are to be posted at all mills stating (a) that all persons will be engaged by the Manager or by the head

of the department concerned, and (b) that any heads of departments, assistants or jobbers accepting bribes from the workpeople will be instantly dismissed.

Several groups of mills are considering the possibility of employing labour officers who will be responsible for the direct recruitment of labour and for welfare work generally. The action taken by Messrs L. D. Sassoon & Co. in this connexion has already been referred to above.

ABSENTEEISM AND LABOUR TURNOVER.

Though there is meagre statistical information available on this subject, it may be stated with a fair amount of accuracy that the Indian worker is more habituated to absent himself from work than his prototype in other countries. He has yet to get himself thoroughly adapted to the industrial environment in which he finds himself. The reasons for his absence are not always connected with his love of rest but in many cases absence is due to causes beyond his control such as sickness, domestic difficulties, etc. The effects which poor and indifferent housing have on his work have been dealt with in the Section on Industrial Housing.

The Factory Labour Commission of 1907 made an inquiry into the number of absent workers and came to the conclusion that the average worker took 2 days off every month and a further holiday of from 3 to 7 weeks every year. In addition, he receives the weekly holiday and from 4 to 10 Indian holidays during the year. The question of absenteeism received the attention of the Indian Tariff Board (Cotton Textile Industry) and it was urged in evidence before them that the efficiency of labour in Bombay was greatly reduced by the high percentage of absenteeism among the operatives. The Board came to the conclusion that Ahmedabad had a great advantage over Bombay in the matter of absenteeism, both in respect of a low rate throughout the year and also of the absence of the wide seasonal variations which were apparent in other centres of the textile industry. They therefore recommended that in order to minimise the effect of absenteeism

there should be a general adoption of a system already in force in a few mills in Bombay under which a certain number of spare hands are entertained in each department, except the weaving. The Board said 'The percentage of extra men in each department is not necessarily the same, but we were given to understand that spread over the whole of the mill, it usually worked out at about 10 per cent.'

Messrs L. D. Sassoon & Co. started last year in some of the cotton textile mills under their agency in Bombay, a system of decentralisation of their *badli* (or substitute) labour. By this system if absenteeism is estimated at 10 per cent on a total labour force of 1,000 for any one unit substitute passes are issued to 100 workers and substitute work is limited to these ticket holders only. The system is one which deserves to be more generally adopted.

The Labour Office of the Government of Bombay publishes in the *Labour Gazette* every month statistics of absenteeism in the textile mills at the important centres of the cotton industry in the Bombay Presidency and in Engineering workshops of the Bombay and Karachi Port Trusts. If figures of absenteeism for each day during any month are examined it is found that they are higher on days immediately following pay day. The following table gives the figures for percentage absenteeism month by month for the year 1933 with averages for the whole year for cotton textile mills in three important centres of the Bombay Presidency.

PERCENTAGE ABSENTEEISM IN THE TEXTILE INDUSTRY

Month	Bombay	Ahmedabad	Sholapur
January	9 60	3 55	13 73
February	10 31	3 54	14 69
March	10 26	3 59	14 49
April	10 41	3 93	15 00
May	9 57	3 92	14 62
June	9 16	3 55	15 43
July	8 93	3 28	12 61
August	8 85	3 55	13 09
September	8 11	3 69	12 76
October	9 21	3 62	14 03
November	7 89	3 73	13 93
December	8 40	3 36	17 07
Average for year	9 23	3 61	14 29

In the Electrical and Mechanical Departments of Railways, absenteeism generally amounts to 10 to 11 per cent. As in cotton mills, absenteeism is greater immediately after pay day. In Railways in Burma, absenteeism is lower and roughly amounts to 2.50 per cent.

Labour Turnover—A charge is very often levelled against the Indian worker that owing to his migratory character, he changes his place of employment very frequently and that this results in a high rate of labour turnover. There is, however, very little information available regarding the average period of service or the rates of turnover at important industrial centres in India. In the case of the Impress Mills at Nagpur, it has been estimated that since 1908, the average period of continuous service of the employees amounted to 7.80 years. In another cotton mill in the Central Provinces the average duration of employment worked out at about 40 months while in the case of other factories it roughly amounted to about 9 months. Out of a total number of 3,700 workers engaged in the Pench Valley Coal Mines it was found that 1,550 workers were in employment for less than a year, 650 from 1 to 2 years, 700 from 2 to 3 years and 800 workers had more than 3 years continuous service to their credit. In the manganese mines in the Central Provinces the average duration of employment comes to about 9 to 10 months for the whole of the labour force in any one year. One to two years is on an average the period of employment of workers in the Pita Iron and Steel Works. The total labour turnover during normal working for three years in the same Works amounted to 36.6 per cent, 31.3 per cent and 24.1 per cent respectively. In the Indian Cable and Construction Company in Pithur and Orissa, however, skilled labour has remained practically unchanged during the last five years but the unskilled workers recruited from the aboriginal class had changed to the extent of about 30 per cent annually. In one of the mills at Cawnpore the average period of continuous service amounted to 8.87 years.

The Labour Office of the Government of Bombay conducted a special enquiry into the length of service of cotton mill workers in Bombay City in 1927-28. A sample of 1 in 10 tenements was decided upon and the information was collected on suitable schedules by the Lady Investigators of that Office from the inmates of such tenements who were reported to be cotton mill workers. Only the predominant working class localities were visited for the purposes of the enquiry and the total number of schedules accepted for final tabulation was 1,318.

Of the 1,318 workers, 988 or 73.29 per cent were men and 360 or 26.71 per cent were women.

Nearly 21 per cent of the operatives began work in the mills before the 15th year, 38 per cent between the 15th and the 20th year, 32 per cent between the 20th and the 30th year and the remaining 9 per cent joined the first mill after they had attained the age of 30.

Sixty three per cent of the workers were born in the Konkan and 27 per cent in the Deccan while the rest came from different parts of the country. It is very significant that not a single worker gave his place of origin as Bombay City.

About 18 per cent of the workers covered by the sample continued in the employment of the same mill without change. 34 per cent served in two or three mills and 18 per cent had served in 4 or more mills. The highest number of mills served by an individual was 15. The cause of leaving the mills was 'for going to native place' in 26 per cent cases, 'low wages and for bettering prospects' in 21 per cent cases, 'absence due to illness' in 14 per cent cases and 'retrenchment' in 10 per cent cases. Other causes for leaving mills were unsuitable conditions of work, dismissal, strike, resignation, etc.

The approximate period of total service (including the period of non attendance) was reported to be less than 5 years in 37.51 per cent cases, 5 to 10 years in 23.37 per cent cases, 10 to 15 years in 15.88 per cent cases, 15 to 20 years in 9.13 per cent cases and more than 20 years in 14.05 per cent cases. The percentages of workers who had not changed mills was 67 in the case of operatives with less than 5 years' service and 42 for workers with 5 to 10 years service. In the other service groups, the percentage of operatives working in the same mill varied between 25 and 15.

The actual active service was reported to be less than 5 years in 46.51 per cent cases, 5 to 10 years in 24.26 per cent cases, 10 to 15 years in 13.95 per cent cases and 15 to 20 years in 7.20 per cent cases. In the remaining 8.08 per cent cases the actual service was more than 20 years.

A large number of workers in the age groups 15-20 and 20-25 had served for a period of less than 5 years while the most common period of service in the age group 25-30 was between 5 and 10 years. In the age group 30-35 about 30 per cent of the workers had served for less than 5 years and 19 per cent for a period of 5 to 10 years. Among workers of 35 to 40 years of age, the number of those falling in each of the first five service groups was between 16 and 20 per cent.

LABOUR IN FACTORIES

The conditions of factory labour until 1913 were regulated by the Indian Factories Act of 1881, as amended in 1891. Under the chief provisions of the amended Act Local Governments were empowered to appoint Inspectors of Factories and Certifying Surgeons to testify as to the age of children. A mid day stoppage of work was prescribed in all factories, except those worked on an approved system of shifts, and Sunday labour was prohibited subject to certain exceptions. The hours of employment for women were limited to 11, with intervals of rest amounting to at least an hour and a half, their employment between 8 p.m. and 5 a.m. was prohibited, as a general rule, except in factories worked by shifts. The hours of work for children (defined as persons below the age of 14) were limited to 7 and their employment at night time was forbidden. Children below the age of 9 were not to be employed. Provision was made for fencing of machinery and for the promulgation of rules as to water supply, ventilation, the prevention of overcrowding etc.

The next Factory Act to be passed into law was Act XII of 1911. This Act extended the definition of 'factory' so as to include seasonal factories working for less than 4 months in the year, shortened the hours within which children and, as a general rule, women might be employed and further restricted the employment of women by night by allowing it only in the case of cotton spinning and pressing factories. It also contained a number of new provisions for securing the health and safety of the operatives, making inspection more effective and securing generally the better administration of the Act. The most important feature of the Act, however, was the introduction of a number of special provisions applicable only to textile factories. The report of the Factory Commission showed that excessive hours were not worked except in textile factories. The Act, for the first time, applied a statutory restriction to the hours of employment of adult males by laying down that subject to certain exceptions, "no person shall be employed in any textile factory for more than 12 hours in any one day." It also provided in the case of textile factories that no child may be employed for more than six hours in any one day and that (subject to certain exceptions, which were factories worked in accordance with an approved system of shifts) no women may be employed before 5.30 a.m. or after 7 p.m. (the new limits laid down generally for the employment of women and children).

The Acts now in force—The ratification by India of the Conventions adopted by the International Labour Conference held in Washington in 1919 necessitated radical revision of the Indian Factories Act of 1911. This was undertaken during 1921 and the Indian Factories Amendment Act, 1922, introduced a series of important reforms including the adoption of a 60 hours week, the raising of the minimum age of children from 9 to 12, the prohibition of night work for women, the extension of the Act to a large number of small factories, drastic restriction of the exempting provisions, etc. The principal object of the amending Act of 1922 was the removal of a difficulty which had arisen in connection with the law relating to the weekly

holidays. The experience gained during the three years which immediately followed the revision of the Act in 1922 indicated that the amending Act had worked smoothly and that the main principles followed in 1922 commanded general acceptance. It was not considered necessary, therefore, to modify any of the main principles of the Act but several administrative difficulties had arisen in connection with some sections of the Act—one such difficulty relating to Section 21 which provided for intervals. Local Governments were asked in June 1925 to consider a possible solution of the difficulty and to bring to the notice of the Government of India any difficulties which might have arisen in connection with other provisions. On receipt of their replies, a conference of Chief Inspectors of Factories was convened. The conference recommended a number of alterations designed by allowing greater elasticity in some directions and by increasing control in others to make for smoother working. The Factories Amendment Act of 1926 was, therefore, passed on the recommendations of that conference and on the opinions received from the Local Governments. The more important alterations effected included the widening of the definition of 'factories' so as to bring within the control of the Act such establishments as Electrical Generating Stations, water works, etc., the prevention of the issue of age certificates by Certifying Surgeons to children who are not fit for employment, the prevention of cleaning machinery in motion, even by men, in cases where Local Governments were of opinion that the work is attended by danger to the operatives, a clearer definition of the periods prescribed for intervals of rest, and, while still preventing the employment of children in two factories on the same day, the permitting of women to work in two factories on the same day provided that the limits for hours of work were not exceeded.

Hours of Work—The Indian Factories Act prescribes a daily as well as a weekly limit to the hours of work in factories and provides for rest intervals and for a weekly holiday. Section 28 of the Act provides that no person shall be employed in any factory for more than 11 hours in any one day, and Section 27 provides that no person shall be employed in a factory for more than 60 hours in any one week. Section 21 of the Act makes it obligatory for the occupier of a factory to provide for each person employed a rest period of at least one hour at intervals not exceeding 6 hours, or at the request of the employees concerned two rest periods of half an hour each, at intervals not exceeding 5 hours, the total duration of the periods of rest on that day not being less than one hour for each period of 6 hours worked generally. With the previous sanction of the Local Government and at the request of the employees concerned the rest interval may also be reduced to half an hour for each male person provided that he is not employed for more than 8½ hours on each working day and is not required to work for more than five hours continuously. For children, Section 23 (c) provides that no child shall be employed in a factory for more than 6 hours in any one day. Section 21 (b) provides that for each child working more than 5½ hours in any one day a period

of rest of not less than half an hour shall be given and the period of rest has to be so fixed that no child shall be required to work continuously for more than 4 hours. Sections 23 (b) and 24 (a) further provide that no child or woman may be employed in any factory before half past five o'clock in the morning or after 7 o'clock in the evening. Under Section 25 a child cannot be employed in two factories on the same day but adults may be so employed in such circumstances as may be prescribed. Under the provisions of Section 26 every Manager of a factory has to fix specified hours for the employment of each person employed in such factory and no person is allowed to be employed except during such specified hours. The Governments of Madras, Bombay, the United Provinces, the Punjab and the Central Provinces are the only Local Governments which have prescribed the circumstances under which adults may be employed in more than one factory on the same day. The rules framed by these Local Governments invest the Inspector of Factories with the power to sanction such employment if he is satisfied that the adults concerned are not employed for more than 10 hours on any one day and that they receive the weekly holiday prescribed by Section 22 of the Act. In addition to the notice of hours of work for particular periods, every factory has to maintain a register of all persons employed in a factory in the form prescribed by the Local Government showing their hours of work and the nature of their respective employment.

Proposed Amendment of the Factories Act, following the Recommendations of the Royal Commission on Indian Labour—The Royal Commission made several very important recommendations for substantial amendments of the Indian Factories Act, 1911, as amended by the Amending Acts of 1922, 1923, 1926 and 1931, firstly, for the reduction of the maximum limits of daily and weekly hours of work in perennial factories and for the better regulation of such hours, secondly, for the improvement of working conditions in factories, and thirdly, for a more effective observance, on the part of the factory owners, of the requirements of the Act. The Government of India, in the Department of Industries and Labour, issued a circular letter, dated the 10th June 1932, addressed to all Local Governments and Administrations forwarding a draft Bill intended to consolidate the present law regarding the regulation of power using factories and incorporating the majority of the Commissioners' recommendations. All Provincial Governments were asked to submit replies to this letter by the 1st December 1932. On receipt of the local Government's replies, the Honourable Member in charge of the Department of Industries and Labour of the Government of India made a tour of the more important industrial centres in India to discuss various questions arising out of the draft Bill with the representatives of Local Governments and associations of employers and workmen. On the conclusion of this tour, the Government of India convened a conference of Provincial Chief Inspectors of Factories and a final Bill was then drawn up which was introduced in the Legislative Assembly on the 8th September 1933. At the moment of writing, this Bill is under examination by a Select Committee of the

members of both Houses in the Central Legislature and it is expected that the consolidated Factories Act will be passed during the budget Session of the Legislative Assembly in the Spring of 1934. If the Bill is passed into law it may be brought into operation either on 1st July 1934 or the 1st January 1935.

The Royal commission also made several suggestions with regard to the control of factories not using power nearly all of which are at present unregulated. The Government of India propose a new and separate Act in respect of such factories and they are at present engaged in drafting a Bill covering the Commissioners' recommendations in the matter.

The following are the more important additional matters proposed to be covered by the Consolidating Act—

(a) A distinction is to be drawn between seasonal and perennial factories. A factory which is exclusively engaged in cotton ginning cotton or jute pressing, the decortication of groundnuts, or the manufacture of groundnut oil, or the manufacture of coffee, indigo, lac, rubber, sugar (including gur) or tea is to be a seasonal factory, provided that the Local Government may, by notification in the local official Gazette, declare any such factory in which manufacturing processes are ordinarily carried on for more than 180 working days in the year, not to be a seasonal factory for the purposes of the Act. The Local Government may also, by notification, declare any seasonal factory in which manufacturing processes are ordinarily carried on for not more than 180 working days in the year and which cannot be carried on except during particular seasons or at times dependent on the irregular action of natural forces, to be a seasonal factory for the purposes of this Act.

(b) Factory operatives are at present divided into two age groups (1) Adults and (2) Children, i.e., persons over 12 and under 15 years of age. It is now proposed to introduce a third age group of "Adolescents," i.e., persons over the age of 15 years and under the age of seventeen years who have not been certified as fit for adult employment. Such "Adolescents" as have not been so certified are to be deemed to be children.

(c) It is proposed that the existing maximum limits of eleven hours per day and sixty hours per week should continue to be observed in the case of seasonal factories and that the maximum hours of work to be permitted in the case of workers in perennial factories should be reduced to ten hours per day and 54 hours per week subject to the proviso that persons employed on work necessitating continuous production for technical reasons and persons whose work is required for the manufacture or supply of articles of prime necessity which must be made or supplied every day may be employed for not more than 56 hours in any one week. The maximum hours of work permitted in the case of children is five hours per day both in seasonal and in perennial factories.

(d) The Bill proposes to introduce into the Act for the first time the principle of "spread over," i.e., the limitation of the period of the number of consecutive hours during which the daily limits of hours of work may be availed of by the owner or an occupier of a factory. The

spread over in the case of adults is limited to thirteen consecutive hours and in the case of children to seven and a half consecutive hours, but the continuous period of eleven free hours in every twenty four hours in the case of adults must include the hours between 7 p.m. and 6 a.m. in the case of women. The continuous period of sixteen and a half free hours in the case of children must include the hours between 7 p.m. and 6 a.m. Exemptions in the case of women are permitted in such cases as technical reasons require that work should be done at night, e.g., in the fish curing industry.

(c) The existing provisions with regard to the control of artificial humidification are to be expanded. And the Bill also proposes to give power to Local Governments to authorise an Inspector to call upon Managers of factories to carry out specific measures for increasing the cooling power of the air where he is of the opinion that it is at times insufficient to secure operatives against danger to health or serious discomfort, provided that the cooling power can be appreciably increased without involving an amount of expense which would be unreasonable under the circumstances.

(f) With regard to welfare, the Bill includes provisions for the maintenance of (1) a sufficient and suitable supply of water for washing for the use of persons employed in processes involving contact with poisonous or obnoxious substances, (2) adequate shelters for rest in factories employing more than 150 persons, (3) rooms reserved for the use of children of women employed in factories employing more than 50 women and (4) first aid appliances. Powers are to be given to Local Governments to frame rules in respect of the last three matters. The Government of India, however, have not accepted the recommendation of the Royal Commission with regard to giving power to Local Governments to issue welfare orders as are issued by the Secretary of State in England under Section 7 of the Police, Factories etc. (Miscellaneous Provisions) Act, 1911. They are of opinion that the matters to be covered by such welfare orders should have the approval of the Legislature and should not be imposed on factory owners by the Executive Government.

(g) Local Governments are to be given powers to make rules prescribing the fitness to be attained by children seeking employment in factories or in any class of factories, and when such a standard has been prescribed no child failing to attain it can be certified as fit for employment in a factory.

(h) Inspectors are to be granted power to call upon managers to carry out such tests as may be necessary to determine the strength or quality of any specified parts of the structure of factories if they are of opinion that, on account of any defect or inadequacy in the construction

of any factory, the factory or any part thereof is dangerous to human life or safety, and Local Governments are to be empowered to make rules for the furnishing, by factories, of certificates of stability.

(i) The maximum amount of overtime that can be worked by virtue of any exemptions granted under the Act is to be limited and a time and a half is to be allowed in all cases where a worker in a seasonal factory works for more than 60 hours in any one week or where a worker in a factory other than a seasonal factory works for more than ten hours in any one day. But where a worker in a factory other than a seasonal factory works for more than fifty four hours in any week, he is to be entitled, in respect of the overtime worked less any overtime in respect of which he is entitled to extra pay under the preceding sentence, to pay at the rate of one and a quarter times his ordinary rate of pay. Where a worker in a factory works on the weekly rest day he is to be entitled, in respect of the overtime worked to pay at the rate of one and a half times the ordinary rate of pay.

(j) No exemptions are to be granted in respect of the provisions for spreadover, prohibition of night work between 7.30 p.m. and 5 a.m. and of the weekly limits of hours of work for women and persons under the age of sixteen years, but the grant of the existing exemption in the case of women employed in fish curing and fish canning factories is to be permitted.

(k) The existing Sections 26, 35 and 36 are to be entirely recast in order to provide more effective methods for the maintenance of records and registers of employment, the posting of notices, for the benefit of the workers, of their hours of employment, the prescribed abstracts of the Factories Act, weekly holidays, etc., and for the notification of these notices and any changes proposed to be made in them to Inspectors of factories.

(l) Higher penalties and fines are to be prescribed for occupiers or owners of factories who have been previously convicted for having committed the same offences.

The Local Governments were asked to submit their replies to the above proposals incorporated in the Draft Bill prepared by the Government of India, by the 1st December 1932. On receipt of the replies of the Local Governments the Government of India received their Original Draft Bill in order to give effect to the more important recommendations made by some of these Governments and a revised consolidating Bill was introduced in the Legislative Assembly on the 8th September 1933 on a motion to refer to Select Committee. The Select Committee set in Delhi from the 18th January 1934 onwards. At the moment of writing it is anticipated that the new Factories Act will be passed during the Budget Session of the Assembly this year.

LATEST FACTORY STATISTICS.

The latest statistics available in connection with the administration of the Indian Factories Act are for 1932. The data published in connection with the normal weekly hours of work show that for the whole of British India men were required to work for more than 54 hours a week in 1,787 perennial and 2,089 seasonal factories, above 48 and not above 54

in 622 perennial and 353 seasonal factories, and not above 48 hours per week in 1,369 perennial and 1,007 seasonal factories. In the case of those factories employing women 3,029 required female workers to work for more than 54 hours per week whereas 1,857 fixed their hours at below 48 per week. 652 factories had hours above 48 but not above 54. Out of the 995

factories employing children, 384 had hours below 30 for children and 611 above 30. The details in connection with the various provinces will be found in summary form in the All-India Factories Reports or in a more detailed form in the Provincial Reports themselves. The statistics of factories do not show the hours of work in particular industries.

All railway workshops come under the Indian Factories Act. Hours of work in railway workshops in all provinces generally average 8 per day and 48 per week. In most cases the hours are so arranged as to provide for a half day off on Saturday provided that a total of 48 hours is worked during any particular week.

Employment of Children—By the Amending Act of 1922 the maximum age of children was raised from 14 to 15 years and the minimum age from 9 to 12. Section 23 of the Act provides that no child shall be employed in any factory unless he is in possession of a certificate granted by a Certifying Surgeon showing that he is not less than 12 years of age and is fit for employment in a factory and while at work carries either the certificate itself or a token giving reference to such certificate. Further, no child is allowed to be employed in any factory before half past five o'clock in the morning or after seven o'clock in the evening and no child is to be employed for more than six hours in any one day. The number of children employed in factories during the years 1922 to 1932 is shown in the following table—

Year	Total
1922	67,658
1923	74,620
1924	72,531
1925	68,725
1926	60,094
1927	57,562
1928	50,911
1929	46,843
1930	37,972
1931	26,932
1932	21,753

An examination of the figures in the above table will show that the number of children employed rose from 67,658 to 74,620 in 1923.

This was due to the fact that the tea factories in Assam which employed about 11,000 children were brought within the scope of the Act for the first time in that year. Further, the amendment of the Act in 1922 did not apply to children who were lawfully employed in a factory on or before the 1st July 1921 and it was not until 1924 that full effect was given to the new age restrictions for children.

There has been a steady decline in the number of children employed. In the textile mills in Bombay City there are none.

Employment of Women—The number of women employed in factories during the years 1921 to 1929 increased steadily from 208,887 employed in 1922 to 257,161 employed in 1929. But the number of women employed since 1929 has fallen perceptibly, the figures for 1930, 1931 and 1932 being 251,905, 231,183 and 225,632 respectively. The increase in the employment of women was due partly to the restrictions imposed on the employment of children and partly to the inclusion within the scope of the Act of all quasi agricultural factories, for example, in the tea gardens which are dependent on female labour to a larger extent than other factories. An important change which the revision of 1922 made in connection with the employment of women was the repeal of Section 27 of the Act of 1911 which permitted the employment of women at night in ginning factories. In view of this amendment the Government of India considered that they were in a position to ratify the Convention concerning the employment of women during the night adopted by the First International Labour Conference held at Washington in 1919 without undertaking any further legislation.

Overtime—Section 31 of the Indian Factories Act provides that in those factories where exemptions are granted from the provision that no person shall be employed in a factory for more than 60 hours in any one week, every person employed in such a factory for more than 60 hours in any one week shall be paid, in respect of overtime worked, at a rate which shall be at least one and a quarter times the rate at which he is normally paid. In most of those factories which work normally less than 60 hours per week overtime is paid for at normal rates up to 60 hours per week and at a time and a quarter for overtime work over 60 hours. Some factories, however, pay either the full time and a quarter rate to be granted under the Factories Act for all overtime worked over and above the normal daily hours or even grant higher rates irrespective of the weekly limitation of 60 hours under the Act. No detailed statistics are available to show the number of workers who were paid overtime during any particular period except in the case of a few Railways and some of the larger industrial organisations.

spread over in the case of adults is limited to thirteen consecutive hours and in the case of children to seven and a half consecutive hours, but the continuous period of eleven free hours in every twenty-four hours in the case of adults must include the hours between 7 p.m. and 6 a.m. in the case of women. The continuous period of sixteen and a half free hours in the case of children must include the hours between 7 p.m. and 6 a.m. Exemptions in the case of women are permitted in such cases as technical reasons require that work should be done at night, e.g., in the fish-curing industry.

(c) The existing provisions with regard to the control of artificial humidification are to be expanded. And the Bill also proposes to give power to Local Governments to authorise an Inspector to call upon Managers of factories to carry out specific measures for increasing the cooling power of the air where he is of the opinion that it is at times insufficient to secure operatives against danger to health or serious discomfort, provided that the cooling power can be appreciably increased without involving an amount of expense which would be unreasonable under the circumstances.

(f) With regard to welfare, the Bill includes provisions for the maintenance of (1) a sufficient and suitable supply of water for washing for the use of persons employed in processes involving contact with poisonous or obnoxious substances, (2) adequate shelters for rest in factories employing more than 150 persons, (3) rooms reserved for the use of children of women employed in factories employing more than 50 women and (4) first aid appliances. Powers are to be given to Local Governments to frame rules in respect of the last three matters. The Government of India, however, have not accepted the recommendation of the Royal Commission with regard to giving power to Local Governments to issue welfare orders as are issued by the Secretary of State in England under Section 7 of the Police, Factories, etc. (Miscellaneous Provisions) Act, 1911. They are of opinion that the matters to be covered by such welfare orders should have the approval of the Legislature and should not be imposed on factory owners by the Executive Government.

(g) Local Governments are to be given powers to make rules prescribing the fitness to be attained by children seeking employment in factories or in any class of factories, and when such a standard has been prescribed no child failing to attain it can be certified as fit for employment in a factory.

(h) Inspectors are to be granted power to call upon managers to carry out such tests as may be necessary to determine the strength or quality of any specified parts of the structure of factories if they are of opinion that, on account of any defect or inadequacy in the construction

of any factory, the factory or any part thereof is dangerous to human life or safety, and Local Governments are to be empowered to make rules for the furnishing, by factories, of certificates of stability.

(i) The maximum amount of overtime that can be worked by virtue of an exemption granted under the Act is to be limited to a time and a half to be allowed in all cases where a worker in a seasonal factory works for more than 60 hours in any one week or where a worker in a factory other than a seasonal factory works for more than ten hours in any one day. But where a worker in a factory other than a seasonal factory works for more than fifty-four hours in any week he is to be entitled in respect of the overtime worked by any overtime in respect of which he is entitled to extra pay under the preceding sentence, to pay at the rate of one and a quarter times his ordinary rate of pay. Where a worker in a factory works on the weekly rest day he is to be entitled in respect of the overtime worked to pay at the rate of one and a half times the ordinary rate of pay.

(j) No exemptions are to be granted in respect of the provisions for spreadover, prohibition of night work between 7.30 p.m. and 5 a.m. and of the weekly limits of hours of work for women and persons under the age of sixteen years, but the grant of the existing exemption in the case of women employed in fish-curing and fish-canning factories is to be permitted.

(k) The existing Sections 26, 35 and 36 are to be entirely recast in order to provide more effective methods for the maintenance of records and registers of employment, the posting of notices for the benefit of the workers of their hours of employment, the prescribed abstracts of the Factories Act, weekly holidays, etc., and for the notification of these notices and any changes proposed to be made in them to Inspectors of factories.

(l) Higher penalties and fines are to be prescribed for occupiers or owners of factories who have been previously convicted for having committed the same offences.

The Local Governments were asked to submit their replies to the above proposals incorporated in the Draft Bill prepared by the Government of India, by the 1st December 1932. On receipt of the replies of the Local Governments, the Government of India received their Original Draft Bill in order to give effect to the more important recommendations made by some of these Governments and a revised consolidating Bill was introduced in the Legislative Assembly on the 8th September 1933 on a motion to refer to Select Committee. The Select Committee met in Delhi from the 18th January 1934 onwards. At the moment of writing it is anticipated that the new Factories Act will be passed during the Budget Session of the Assembly this year.

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factories employing children, 381 had hours below 30 for children and 611 above 30. The details in connection with the various provinces will be found in summary form in the All India Factories Reports or in a more detailed form in the Provincial Reports themselves. The statistics of factories do not show the hours of work in particular industries.

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Employment of Children—By the Amending Act of 1922 the maximum age of children was raised from 11 to 15 years and the minimum age from 9 to 12. Section 23 of the Act provides that no child shall be employed in any factory unless he is in possession of a certificate granted by a Certifying Surgeon showing that he is not less than 12 years of age and is fit for employment in a factory and while at work carries either the certificate itself or a token giving reference to such certificate. Further, no child is allowed to be employed in any factory before half past five o'clock in the morning or after seven o'clock in the evening and no child is to be employed for more than six hours in any one day. The number of children employed in factories during the years 1922 to 1932 is shown in the following table—

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An examination of the figures in the above table will show that the number of children employed decreased from 67,658 to 21,713 in 1932.

This was due to the fact that the ten factories in Assam which employed about 11,000 children were brought within the scope of the Act for the first time in that year. Further, the amendment of the Act in 1922 did not apply to children who were lawfully employed in a factory on or before the 1st July 1921 and it was not until 1924 that full effect was given to the new age restrictions for children.

There has been a steady decline in the number of children employed. In the textile mills in Bombay City there are none.

Employment of Women—The number of women employed in factories during the years 1921 to 1929 increased steadily from 208,887 employed in 1922 to 257,161 employed in 1929. But the number of women employed since 1929 has fallen perceptibly, the figures for 1930, 1931 and 1932 being 251,905, 231,183 and 225,632 respectively. The increase in the employment of women was due partly to the restrictions imposed on the employment of children and partly to the inclusion within the scope of the Act of all quasi-agricultural factories, for example in the tea gardens which are dependent on female labour to a larger extent than other factories. An important change which the revision of 1922 made in connection with the employment of women was the repeal of Section 27 of the Act of 1911 which permitted the employment of women at night in ginning factories. In view of this amendment the Government of India considered that they were in a position to ratify the Convention concerning the employment of women during the night adopted by the First International Labour Conference held at Washington in 1919 without undertaking any further legislation.

Overtime—Section 31 of the Indian Factories Act provides that in those factories where exemptions are granted from the provision that no person shall be employed in a factory for more than 60 hours in any one week, every person employed in such a factory for more than 60 hours in any one week shall be paid, in respect of overtime worked, at a rate which shall be at least one and a quarter times the rate at which he is normally paid. In most of those factories which work normally less than 60 hours per week overtime is paid for at normal rates up to 60 hours per week and at a time and a quarter for overtime work over 60 hours. Some factories, however, pay either the full time and a quarter rate to be granted under the Factories Act for all overtime worked over and above the normal daily hours or even grant higher rates irrespective of the weekly limitation of 60 hours under the Act. No detailed statistics are available to show the number of workers who were paid overtime during any particular period except in the case of a few Railways and some of the larger industrial organisations.

LABOUR IN MINES.

The conditions of employment of labour in mines are governed by the provisions of the Indian Mines Act, 1923, which came into force with effect from the 1st July 1924 replacing the former enactment of 1901. The Act of 1901 contained provisions designed to secure safety in mines and it provided for the maintenance of an inspecting staff, but it contained no provisions regulating the employment of labour.

Section 23 of the Indian Mines Act of 1923 limited weekly hours of miners to 54 underground and to 60 aboveground but no limits were prescribed for daily hours. In a Bill further to amend the Act for certain purposes introduced by the Government of India in the Legislative Assembly in March 1927 it was proposed to fix the maximum limit for daily hours at twelve. There was a considerable body of opinion in favour of enforcing an eight-hour day and this was also the opinion of a minority of the Select Committee appointed by the Assembly to consider the Bill. The majority of the Committee however adhered to the principle of a twelve hour shift as proposed in the Bill but agreed that an eight-hour shift should be gradually worked up to. They recommended to Government that after the new provisions had been in operation for three years, the position should be again reviewed as to whether an eight-hour shift could be introduced. A daily limit of 12 hours was thus imposed by the Amending Act of 1928 and this was to be brought into effect from April 1930.

Recommendations of the Royal Commission

The Royal Commission on Labour which reviewed the whole position came to conclusions similar to those reached by the Select Committee. A minority of the Commission advocated the reduction of the daily limit to eight hours while the majority supported the recommendation of the majority of the Select Committee, and in addition suggested that weekly hours above ground should be limited to 54. In the mean while, the fifteenth session of the International Labour Conference adopted a Draft Convention concerning hours of work in coal mines, framed solely with reference to conditions in European countries. This Convention prescribes that the

hours of work should be limited to 72 per day in underground coal mine and to 8 hours a day and 48 hours a week in open coal mine. The Convention was placed before the Legislative Assembly on the 24th February and before the Council of State on the 2nd March 1932 and resolutions were adopted by both the Chambers to the effect that Government should examine the possibility of reducing the statutory limits for hours of work in mines and that the results of this examination should be placed before them.

Having regard to the above resolution and to the fact that nearly three years had elapsed since the Act of 1928 came into full effect the Government of India have taken up the re-examination of the question. They are of opinion that the present is the most opportune time for effecting a reduction in hours of work in mines, and that nine hours would be as low a daily limit as is reasonable. They are provisionally disposed to agree with the Royal Commission's recommendation that the weekly hours above ground should not exceed 54. The Government of India particularly desire opinions on the question of regulating hours in mines and they addressed a circular letter, dated the 21st September 1932 to Local Governments inviting their views in the matter.

The circular letter of the Government of India also referred to the following recommendations of the Royal Commission on Indian Labour with which they were provisionally in agreement.

(a) No child under the age of 14 years should be permitted to work in or about mines.

(b) Minor accidents should be reported weekly to the Chief Inspector through the District Magistrate and

(c) It should be made obligatory for Local Governments to publish reports of Committees and Courts of Inquiry appointed by them under the Act.

Number of Mines—The following table gives the number of mines which came under the Act each year, classified according to the minerals raised—

Year	Number of mines					Total Number of all mines
	Coal	Mica	Manganese	Tin and Wolfram	Other minerals	
1924	846	513	186	87	172	1,804
1925	810	571	214	204	212	2,011
1926	722	601	221	210	143	1,897
1927	644	630	220	200	298	1,992
1928	556	674	184	203	331	1,948
1929	548	498	125	186	375	1,732
1930	549	508	82	178	352	1,669
1931	540	342	56	186	343	1,417
1932	515	315	23	138	200	1,281

Number employed—The number of persons employed in mines during the years 1924-1932 were as follows —

Year	Total No of mines which came under the Act	Number of persons employed		
		Belowground	Aboveground	Total
1924	1 804	167,779	90,498	258,277
1925	2 011	168,554	84,303	253,857
1926	1 897	189,371	70,742	260,113
1927	1,992	196,341	72,949	269,290
1928	1,948	197,398	70,273	267,671
1929	1,732	199,908	69,783	269,701
1930	1,669	191,915	69,752	261 667
1931	1,417	170,638	60,144	230,782
1932	1,281	151 924	52,734	204,658

The sex distribution of the persons employed in mines during the years 1926 to 1932 was as shown below —

Year	Number of males employed			Number of females employed		
	Underground	In open workings	On the surface	Underground	In open workings	On the surface
1926	86,343	43,306	51,967	31,889	27,833	18,775
1927	86,766	50,028	53,903	31,850	27,697	19,046
1928	86,155	51,005	52,430	31,785	28,453	17,843
1929	92,856	54,235	51,954	24,089	28,728	17,839
1930	101,649	50,396	52,709	18,684	21,186	17,043
1931	98,885	38,833	45,157	16,841	16,079	14,987
1932	96 196	30 256	39,899	14,711	10,761	12,835

Labour on Railways—All railway workshops come under the administration of the Factories Act. The Indian railways employ nearly a quarter of a million workers in other occupations for whom provision for the control of their working hours has been made under the Hours of Employment Rules, 1930, framed under the Indian Railways Amendment Act, 1929.

The Conventions adopted by the International Labour Conference in 1919 and 1921 prescribed a 60 hour week and a weekly rest of not less than 24 consecutive hours for all workers in British India employed in factories, in mines and in such branches of railway work as may be specified for this purpose by the competent authority. The Indian Factories Act which was amended in 1922 to give effect to the Conventions limited the hours of work in factories to 11 in any one day and to 60 in any one week. Provisions were also made for intervals of rest and a weekly holiday. Similar limitations were imposed under the Indian Mines Act of 1923 in respect of colliery staff. Both these restrictions apply to factories and mines controlled by railway administrations. The application of the Conventions to other departments of railway administrations was found to be a problem beset with many difficulties and has been a subject of prolonged investigations. Orders were issued by the Railway Board in 1921 that the 60 hour week should be adopted for station staff not employed in connection with the working of trains. The Indian Railway Conference Association drew up a set of rules in 1927 and these received the general approval not only of the Railway Board but also of the Boards of

Directors of the lines managed by companies. Subsequently, however, it was found that these rules while they aimed at applying the spirit of the Conventions did not adequately fulfil the statutory obligations imposed upon Government by the ratification of the Conventions. The whole question was therefore again exhaustively reviewed and a Bill amending the Indian Railways Act with the object of empowering the Governor-General in Council to make rules on the subject was introduced in the Legislative Assembly in the autumn session of 1929 and was referred for consideration to a Select Committee. The Amending Act was passed in the same year, and the Hours of Employment Rules were drawn up during the following year.

Working of overtime on Indian railways is more prevalent on construction than on the open line due to (1) the working season in the monsoon areas being confined to eight months in the year, (2) special measures taken to speed up all heavy work to avoid the locking up of capital and (3) wet foundation work in bridges which necessitate continuous work. Usually overtime in such cases is paid at a rate fixed beforehand.

Seamen—The Indian Merchant Shipping Act, 1923, provides that no seaman shall be signed on for service on a ship unless he enters into a contract in the manner specified with the Master of the ship. All agreements entered into between Masters and Seamen for service on foreign going ships have to be signed in the presence of a Shipping Master. The agreement forms contain the rules and regulations provided for under the Act for maintaining discipline and for the fines which may be inflicted for the breach thereof.

CONTRACT LABOUR

In most industrial concerns in India work in connection with building, loading and unloading carting, receiving, and despatching of goods and work involving the employment of unskilled labour over which supervision is either difficult or costly is given out on contract. In the textile cotton industry work in connection with bleaching and dyeing is also generally done on contract at all centres. In the cotton mills in Ahmedabad work in the Mixing and Waste Room and the Yarn Bundling and Baling Department in the Drawing-in Department and Beam Carrying is given out on contract in various mills. In certain printing presses in the Bombay Presidency, composing is given out on contract. In most cases no supervision is exercised over the labour engaged by the contractor to whom the contract is given. Perhaps the most efficient method of control and supervision over contract labour is that which obtains on several railways. This will be dealt with separately lower down. Exceptions to the general remarks made above are as follows:

In the coal mines in Bihar and Orissa contractors are employed by a large number of collieries to provide the labour required for cutting the coal and loading it on wagons. The contractors are paid at a fixed rate per ton for all coal loaded on wagons. In some cases, however, the rate paid per ton is increased either because coal is being extracted from difficult places in the mine or because the contractor has difficulties in maintaining his labour supply. The extent to which contractors are employed is considerable and probably more than half the coal raised in the Bihar coal fields is raised on the contract system. Definite figures are not available but the Indian Mining Association reports that 80 per cent of the coal raised in the mines belonging to that Association in the Bihar coal fields is raised by contract labour. In some cases contractors are only employed to provide the labour for cutting the coal. The contractor is generally responsible only for raising the coal while the colliery supervising staff is responsible for seeing that the mines are run safely.

UNEMPLOYMENT.

The problems connected with unemployment in India are quite different from the problems which have arisen in highly industrialised countries like England, the United States of America and Germany. In the latter countries labour is divided into two fairly distinct classes (1) industrial, and (2) agricultural. During periods of depression in industry those workers who are thrown out of employment either on account of a temporary or a partial closing down of concerns cannot fall back upon agriculture for earning their livelihood. It is necessary to repeat here, in order to understand this question clearly, that more than 70 per cent of the population of India derive their livelihood from various occupations in connection with agriculture. This does not mean that agriculture is a perennial source of employment. Considerable unemployment and distress occurs during periods when the monsoon fails. Even during those years when the monsoon is generally successful, there are usually parts of the country where the rainfall is deficient and there is not enough scope for the employment of all the labour available. Both the Government of India and the various Provincial Governments have devised various schemes for famine relief and the variations in the visitations of nature with their consequent periods of prosperity and distress have now been brought more effectively under human control than ever before in the history of India. It is not necessary to go into the details of the questions connected with famine relief in this section. The point which it is intended to bring out is that owing to the agricultural character of industrial labour in India, the problems connected with employment and unemployment are somewhat closely related to those connected with the success or the failure of the monsoon.

Speaking generally, the Indian labourer migrates to industrial centres when he finds that the yield of the land in his native place is not sufficient to maintain all the members of his family. A certain percentage of the workers employed in industry temporarily give up their employment during the sowing transplanting and harvesting seasons. During periods of depression in trade and industry, industrial workers released from employment fall back upon agriculture and thus add to the existing pressure of the population on the land. If the depression in trade and industry synchronises with the failure of the monsoon, the amount of unemployment becomes considerable and the resulting distress is enormous. Various States have devised schemes of Employment Exchanges for the purpose of studying the problems in connection with the demand and supply of labour to control the movements of labour and to place it where it is required. The Government of India and the various Provincial Governments have considered the question of creating Employment Exchanges in India several times during the last ten years, but opinion is unanimous that owing to the preponderatingly agricultural character of Indian labour it is practically impossible to devise any satisfactory scheme for the formation of Employment Exchanges.

India is a State Member of the International Labour Conference, and as such she is bound according to the terms of the Treaty of Peace, to ratify and adopt, wherever possible, any Convention or Recommendation adopted by the International Labour Conference. The consideration of industrial unemployment was thrust upon the Government of India by the Washington Convention, which was adopted

by the First International Labour Conference held in Washington in 1919. Each Member ratifying this Convention was required—

(i) to communicate to the International Labour Office all information, statistical or otherwise, concerning unemployment, including reports on measures taken or contemplated to combat unemployment,

(ii) to establish a system of free public employment agencies under the control of the central authority, and to appoint Committees, including representatives of employers and workers, to advise on matters concerning the operation of these agencies,

(iii) where systems of insurance against unemployment have been established, to make arrangements, upon terms to be agreed upon between the members concerned, whereby workers belonging to one Member and working in the territory of another shall be admitted to the same rates of benefit of such insurance as those of the latter

In addition to this Convention, the First International Labour Conference also adopted a Recommendation which advocated—

(a) the abolition of employment agencies which charge fees or which carry on their business for profit,

(b) the establishment of an effective system of unemployment insurance, and

(c) the execution of public works as far as practicable during periods of unemployment and in districts most affected by it

The draft Convention was ratified by India but, in communicating this ratification to the International Labour Organisation at Geneva, the Secretary of State for India found it necessary "in order to avoid subsequent misunderstanding" to explain at some length the peculiar position of India in this matter and to emphasise the difficulties connected with a complete ratification by India owing to the predominantly agricultural character of the country. The Government of India, in addressing the local Governments on questions arising out of the draft Convention and Recommendation adopted by the International Labour Conference, invited views on the following points—

(i) Advisability of creating Public Employment Agencies in congested areas to facilitate the migration of surplus labour to industrial areas where there is a shortage of labour

(ii) Advisability of utilising Public Employment Agencies in connexion with recruitment for Assam

(iii) Advisability of establishing Public Employment Agencies for the dissemination of information regarding employment during times of famine and scarcity to those in search of employment

(iv) Advisability of appointing Committees representing employers and workers to advise on matters concerning the operation of Public Employment Agencies

(v) Advisability of abolishing or controlling Employment Agencies which charge fees or which carry on their business for profit

The replies of the local Governments indicated that in most provinces the demand for labour exceeded the supply, that, even in provinces from which there was a large migration of labour, no difficulty had been experienced in obtaining information with regard to the areas where labour was in demand, that the establishment of public employment agencies would serve no useful purpose, and that such agencies might excite suspicion and be liable to be misunderstood by the people. With regard to recruitment of labour for Assam, the local Governments concerned were agreed that any experiment on the lines suggested would be risky. On the question of the abolition of control of employment agencies which charge fees or which carry on their business for profit, the replies of the local Governments indicated that employment agencies of this character were practically unknown in India. In the circumstances, the Government of India decided to take no further action on the draft Convention or Recommendation concerning unemployment.

Middle-class unemployment—In recent years unemployment among the educated middle classes has been assuming alarming proportions and has attracted widespread public attention. In January 1926, a Resolution was passed by the Legislative Assembly in the following terms—

"This Assembly recommends to the Governor General in Council that he may be pleased to appoint a Committee with a non official majority to investigate into the problem of unemployment in general, and among the educated classes in particular, and devise suitable remedies, whether by a system of industrial and technical education, or by a revision of the existing system of education, or by offering encouragement to the starting of new industries, or by opening new avenues of employment, or by the establishment of employment bureaux, or by all these or any other means, and that the said Committee do make a report on the latter problem as early as possible."

Similar Resolutions were also passed in some of the local Legislative Councils. The Government of India did not consider that the appointment of a Central Committee would serve any useful purpose, but in a circular letter drew the attention of the local Governments to the gravity of the problem of middle class unemployment in India. As a result of the Resolutions passed by the local Councils, Committees were appointed by some of the local Governments. The reports of most of these Committees refer almost exclusively to middle class unemployment, but the Punjab and the Bengal Committees also dealt with general unemployment. The Punjab Committee came to the conclusion that "there was no unemployment worthy of mention among the uneducated classes" whilst the Bengal Committee observed as follows—

"The labourer, if we may use the term, has not yet been divorced completely from the land, and he frequently possesses or has an interest in a small plot of land in his native place on the cultivation of which he can fall back in times of depression. Added to this is the fact that industrial labour is still comparatively scarce in Bengal and in fact had to be imported

from other provinces. The effect therefore of trade depressions on the industrial labourer in Bengal is so far very small."

Jute and Cotton Mill Industries—In the jute mill industry in Bengal a large number of mills have, during the last two or three years, changed over from the multiple to the single shift system. It is estimated that on the single shift about 25 to 33 per cent less labour force is required than on the multiple shift, but in spite of the changes no trouble has been reported with regard to unemployment. In the Bombay cotton mill industry, out of an average of about 140,000 workers employed during the years 1920 to 1927 approximately 20,000 have been thrown out of employment on account of the introduction of efficient methods of work whereby spinners are required to mind two

or three sides of a spinning frame instead of one and where the ordinary two loom weaver is required to tend three, four or six looms. The Bombay Strike Inquiry Committee dealt with this aspect of the question in their report and they recommended the creation of an Out-of-Work Donation Fund. This has been dealt with in the summary given with regard to the findings of this Committee in the Section on Conciliation and Arbitration. Owing to depression in trade and external competition several cotton mills are being compelled either to close down completely or to work with partial complements. At the beginning of February 1934, the total number of cotton mills which were closed in Bombay amounted to 27 and the number of workers thrown out of employment to 10,350.

INDUSTRIAL SAFETY AND INSPECTION.

As in other countries, the industrial progress of India has been accompanied by an alarming increase in the number of industrial accidents.

Statistics for 1932—The numbers of acci-

dents classified according to fatal, serious and minor in factories in each of the British Provinces in India in the year 1932 are shown in the following table—

Province	Total	Serious	Minor	Total
Madras	14	335	1,254	1,623
Bombay	37	1,331	4,204	5,572
Bengal	29	875	2,105	3,009
United Provinces	23	258	1,402	1,683
Punjab	6	12	1,043	1,091
Burma	17	212	1,140	1,668
Bihar and Orissa	20	320	1,465	1,814
Central Provinces and Berar	4	35	213	252
Assam	8	57	317	382
North West Frontier Province				
Baluchistan	1		39	40
Ajmer Merwara	1	11	755	767
Delhi	2	9	87	98
Bangalore and Coorg			128	128
Total	162	3,513	14,452	18,127
Total for the year 1931	174	3,603	15,040	19,807

The explanation generally offered for the increase is that the Workmen's Compensation Act is operating as an inducement both for work-people and employers to report accidents more frequently than in the past. But the increase in the number of serious accidents suggests that the problem is a serious one and that an organised 'safety first' campaign is very desirable in India. Some progress along these lines has been made in Bombay in the mills and on the railways.

Factory Inspection—The administration of the Indian Factories Act is entrusted to Factory Inspectors in each province. Where breaches of the Act are discovered the managers of factories are prosecuted and in most cases such prosecutions result in convictions. All

provinces except Assam have Factories Departments. In the Bombay Presidency the full time factory staff consists of the Chief Inspector of Factories, three Inspectors, three Assistant Inspectors and one Woman Inspector. The Chief Inspector, two Inspectors and two Assistants have their headquarters in Bombay City. An Inspector and an Assistant are stationed in Ahmedabad. The Woman Inspector has her headquarters in Bombay but has jurisdiction over the whole Presidency. She deals with problems mainly affecting women. The Bombay Presidency is the only province in India which has a Lady Inspector of Factories. A part time Certifying Surgeon is stationed in Bombay and a full time one in Ahmedabad. They have been appointed as Divisional

Inspectors with powers under the Health and Sanitary sections of the Factories Act. They have also been granted powers under the provisions of the Bombay Maternity Benefit Act. The Director and Assistant Directors of Public Health have also been appointed as Divisional Inspectors under the Health and Sanitary sections of the Act. Their reports are sent to the Chief Inspector who passes orders on the same. Local Magistrates in the districts have ex officio powers under the Employment sections of the Act.

Reporting of Accidents—Section 34 of the Indian Factories Act requires the manager to report all accidents which cause death or bodily injury whereby the person injured is prevented from returning to his work in the factory during the 48 hours next after the occurrence of the accident. All classes of accidents namely, fatal, serious i.e., accidents which prevent a person returning to work for 21 days or more, and minor are to be reported to the Inspector of Factories and to the District Magistrate and in cases of any accident resulting in death to the officer in charge of the Police Station. It is the duty of the Inspector of Factories to make an investigation as soon as possible into the causes of and the responsibility for a fatal or serious accident, and to take steps for the prosecution of the person concerned if it is found that the death or serious injury resulted from any infringement of the provisions of the Act or of the rules framed under the Act. The Act also requires notice to be given of an accident which is due to any cause that has been notified in this behalf by a Local Government, even though no injury may have resulted therefrom to any person. So far notifications have been issued under this section only in Bombay, Bengal and Burma.

Accident Prevention—The chief influences in the prevention of accidents are (a) the powers of Inspectors under the Factories Act to compel managers to erect adequate fencing and to take precautions against accidents, (b) the voluntary interest of managers in safety measures and safety precautions, and (c) the interest of insurance companies as a result of the operation of the Workmen's Compensation Act. In many provinces the existing rules made under the Factories Act cover "Safety First" measures such as compelling certain classes of workers to wear tightly fitting clothes, to prohibit children from entering into certain parts of factories, etc. Steady progress has been made in the different provinces in respect of 'safety first' propaganda, but with wide differences in caste and religion and with the low standard of efficiency the problem of organisation of safety services in industrial undertakings is a matter of some difficulty in India. Particular attention was devoted in Bengal to the safeguarding of crowded machinery in the smaller factories and orders were issued during the year 1932 in that province to 52 factories to alter, repair or reconstruct their buildings. Safety pamphlets were compiled and issued by the Factory Departments in Bengal and Madras. Continued progress in the fencing of machinery and in the use of safety posters is reported to have been maintained in all provinces and increasing attention is being paid by employers throughout India to safety measures and to the

inculcation in the factory employee of "Safety first" ideas. In Bombay a certain amount of ground had already been broken and the Factory Department in co-operation with organisations of industrial employers produced a set of four 'safety posters' some years ago and these have been very largely exhibited in the engineering workshops in the Presidency. Posters were also produced for the carding and spinning departments of cotton mills. The Red Cross Society was assisted in producing an All-India poster dealing with a universal risk connected with the wearing of loose clothing which is ordinarily worn by the average Indian worker. Encouraged by the results of the posters introduced in Carding and Spinning sheds the Millowners' Mutual Insurance Association, Bombay, produced a set of posters for the weaving department early in 1931 and these are now in fairly general use. Little has, however, been done in the factories of the Bombay Presidency in the way of specific organisations to further the cause of safety. Factories, too, are not sufficiently large to warrant the employment of a safety engineer and reliance has almost totally been placed on the activities of the inspectorate in this particular direction. Safety Committees have, however, been established in two cotton mills representative of the two largest groups in Bombay, as an experimental measure. Similar Committees have been brought into existence in five mills in Ahmedabad and the Factory Department has secured promises from other factories to establish safety committees.

The railways are of course pioneers in the introduction and the continuance of active propaganda in "Safety-First" work in all departments. These activities cover railway workshops (which come under the Indian Factories Act) as well. There was marked improvement as regards minimising accidents in railway workshops as a result of the activities of safety committees which have been established in some of them. The success of safety committees which were established at the S I Railway workshops at Perambur and Golden Rock was demonstrated by the fact that at the latter works accidents decreased by 53 per cent in 1932 as compared with 1931. A very comprehensive Safety First Organisation was established in the Parel, Matunga and Manmad Workshops of the G I P Railway in 1929. The Railway administration has also distributed to the employees an illustrated pamphlet on 'Safety First' in which a chapter on workshop safety is included. The G I P Organisation is stated to be the best of its kind. Safety Committees have also been formed in the R I M Dockyard and the Bombay Electric Supply and Tramways Company. In the United Provinces no industrial undertaking has yet introduced a safety service organisation. The Welfare Committees of the E I Railway Locomotive and Carriage Workshops, Lucknow, do at times discuss at their monthly meetings questions of safety brought forward by members. Safety posters, published by the Railway Administration, are displayed in all their workshops and the Indian Red Cross Society posters in all factories in the province. In furtherance of the 'safety first' movement in Bengal warning hooters or sirens have been installed in the

textile factories so as to warn employees before the power plant and machinery is set in motion. An instructive handbook entitled "Safety in Factories" dealing with general matters concerning the safety of factory operatives has been compiled and published. An agreement in regard to standard guards and safety devices for jute machinery has been signed by the Indian Jute Mills Association in regard to new machinery to be installed after July 1932. Posters supplied by the Indian Red Cross Society illustrating the suitable type of dress to be worn by operatives while working on transmission machinery were distributed to factories in the different provinces, and safety propaganda of various kinds is receiving increasing attention from the large factory owners and the inspecting staff. Perhaps the best known instance where first class "safety first" work is being carried on in India is that done by the Tata Iron and Steel Company at Jamshedpur. The Company has since 1920 subscribed to the British Industrial Safety First Association and has installed notice boards all over the plant exhibiting the posters supplied by that Association. The literature received from the Association is periodically broadcast throughout the world.

First-Aid and Medical Relief—Some of the Local Governments have framed rules requiring the provision, under the charge of responsible persons and in readily accessible positions, of first aid appliances containing an adequate number of sterilised dressings and some sterilised cotton in all factories employing 500 and more operatives. Most of the factories are situated within easy reach of Government hospitals or hospitals maintained by Local Authorities but many of the larger and enlightened employers are already maintaining their own medical staff and equipment which are easily available in cases of accidents. The Millowners' Association, Bombay, started classes for First Aid training in conjunction with the St. John Ambulance Association in 1931. These classes have been successful and facilities have since been provided for the training of men deputed by the Engineering Safety Committee also. In the Tata Iron and Steel Works at Jamshedpur boxes with first aid supplies are maintained in each department and two first aid hospitals in different parts of the plant are staffed with doctors and compounders in readiness to render first aid to injured persons.

Mines—The Indian Mines Act of 1923 empowers the Governor General in Council to frame regulations for the safety of persons employed in mines (Section 29, clauses (k) to (p)). Local Governments are also empowered to frame rules under the Act to ensure the proper fencing of a mine for the protection of the public. In addition, the Chief Inspector of Mines may call upon the owner, agent or manager of a mine to frame bye laws which are not inconsistent with the provisions of the Act, regulations or rules to prevent accidents and to provide for the safety, convenience and discipline of the persons employed in the mine (Section 32). The bye laws, when approved by the Local Government, have effect as enacted under the Act. Further, Section 19 of the

Act gives special powers to the Inspector of Mines to take action when any danger is apprehended which is not expressly provided for by the Act, regulations, rules and the bye laws. The Governor General in Council has framed two sets of regulations, namely, the Indian Coal Mines Regulations, 1926, which apply only to coal mines and the Indian Metalliferous Mines Regulations, 1926, which apply to all other mines. These regulations provide for the proper maintenance of shafts and outlets, roads and working places, haulage arrangements, fencing and gates, for the restrictions which have to be observed in raising or lowering persons or materials, for the precautions to be taken in the use of explosives, and for adequate ventilation and lighting.

During the year 1932 at Mines regulated by the Indian Mines Act, 1923, there were 163 fatal accidents, which is 26 less than in 1931, and 48 less than the average number in the preceding five years. In addition to the fatal accidents there were 600 serious accidents involving injuries to 613 persons, as compared with 591 serious accidents involving injuries to 613 persons in the previous year. No record is maintained of minor accidents. 200 persons were killed and 649 persons were seriously injured. The latter figure includes 36 persons injured in fatal accidents. The number of persons killed is 27 less than in 1931. 182 of the persons killed were men and 18 were women. In one case nineteen lives, in one case five lives and in sixteen cases two lives were lost. The causes of the fatal accidents have been classified as follows—

	Number of fatal accidents	Percentage of total number of fatal accidents
Misadventure	110	67.48
Fault of deceased	22	13.50
Fault of fellow workmen	10	6.13
Fault of subordinate officials	14	8.59
Fault of Management	5	3.07
Faulty Material	2	1.23
Total	163	100.00

Deaths occurring in each class of mines were as follows—151 in coal mines, 24 in mica mines, 5 in silver-lead mines, 4 in tin and wolfram mines, 3 in limestone mines, 2 in stone mines, 4 in copper mines, and one each in Chromite, Iron, Salt and Manganese mines. Fifty-two persons lost their lives by falls of roof, 53 by falls of side, 29 by haulage, 19 on account of suffocation by gases, 13 by explosives, 7 by explosives and ignitions of fire damp, 6 in shafts, one by electricity, 7 by other accidents under ground and 13 on the surface.

Railways—The Railway Department conducts an intensive "Safety-First" propaganda every year which embraces the following among other activities —

- (1) Safety posters and safeguards are put up on prominent points both in English and in the vernacular. Some of these, *e.g.*, on the Bombay, Baroda and Central India Railway, are prepared from actual photographs of safe and unsafe methods of working in selected branches of manufacture and maintenance work in the railway workshops
- (2) An illustrated booklet was compiled by the Great Indian Peninsula Railway during the year 1926-27 which has been translated into a number of vernacular languages and distributed throughout the line on certain railways

- (3) Photographs and special articles are published in the Railway magazines for the instruction of the staff
- (4) Inspecting subordinates are instructed to take the opportunity, while visiting stations, of addressing the staff on "Safety-First"
- (5) Coloured pictures showing the right and wrong way of doing a job are posted at various places for the benefit of the illiterate staff
- (6) A "Safety-First" film was prepared by the Central Publicity Bureau during the year 1927-28 and copies distributed to railways. The film is displayed weekly by the travelling cinemas of the railways
- (7) A "Safety-First" pamphlet has been prepared by the Central Publicity Bureau and is being issued to all railway administrations

WORKMEN'S COMPENSATION.

The Workmen's Compensation Act of 1923 which was the first piece of social insurance passed in this country, came into force on July 1st, 1924. The Act covered ten classes of workmen. Some of these, such as members of fire brigades, telegraph and telephone linemen, sewage workers and tramwaymen are small, and as the definition of seamen was limited to those employed on certain inland vessels, only a very small proportion of Indian seamen came under the Act. Compensation for seamen, however, has been secured by agreement between the Government of India and foreign steamship companies, under which the latter agree to the insertion in the ships' articles of a clause whereby the companies agree to pay compensation to injured Indian seamen on the same basis as if they were covered by the Act and all questions as to compensation are decided by Commissioners of Workmen's Compensation in India. An Indian seaman employed on a British ship legally comes under the English Act and the insertion of the clause referred to above does away with the practical difficulties which would arise if Indian seamen had to claim compensation in the English or other foreign courts. The five main classes of workmen covered by the Act are workers in factories, mines, docks and on railways, practically all of whom are included and those engaged in certain types of building work, notably the construction of industrial and commercial buildings and any other buildings which run to more than one storey. The most important classes excluded altogether are agricultural workers and domestic servants. Non manual labourers getting more than Rs 300 a month are excluded, except on the railways. Power was taken to include other hazardous occupations by notification from time to time. All occupations involving blasting operations were thus declared by the Governor-General in Council as hazardous occupations. Compensation is to be given

as in the English Act, for personal injury by accident arising out of and in the course of employment. It is also to be given for diseases in certain cases. The provisions for diseases have been so framed that if a certain class of workmen contracts a scheduled disease, it will usually be extremely difficult for the employer to defeat a claim for compensation. On the other hand, other workmen will find it equally difficult to get compensation for disease, as they will have to prove that the disease arose "solely and directly" from employment. The diseases scheduled were anthrax, lead poisoning and phosphorous poisoning, but the list was made capable of extension. Mercury poisoning was thus added to Schedule III by notification, dated 28th September 1926.

In order to bring the Indian law into conformity with the provisions of the Draft Convention concerning Workmen's Compensation for Occupational Diseases adopted at the Seventh International Labour Conference held at Geneva in 1925, which had been ratified by India, necessary changes were made in sub section (2) of section 3 and in the list of occupational diseases given in Schedule III of the Act. Certain occupations in connection with operations for winning natural petroleum or natural gas and in connection with the loading, unloading and fuelling of a ship in a harbour, roadstead or navigable water were also brought within the purview of the Act by notification issued by the Governor-General in Council in exercise of the powers conferred by sub section (3) of section 2 of the Act.

The Amending Acts of 1929 and 1931—The main features of the Amending Act of 1929 were (1) that the discriminating restrictions placed on workmen employed in the construction, repair or demolition of a building or bridge with regard to their eligibility for compen-

sation except in the case of death or permanent total disablement has been removed, (2) that all payments to dependants of the deceased workmen (except advances to the extent of Rs 50 for funeral expenses of the deceased workman and to the extent of a hundred rupees on account of compensation to any dependent) and any lump sums payable to minors should be paid through the Commissioner, (3) deposits of trivial amounts, i.e. less than Rs 10 have been done away with, (4) provision is made for the protection of lump sums payable to a woman or a person under legal disability by empowering the Commissioner to invest, apply or otherwise deal with them for the benefit of the woman, or of such person during his disability, (5) powers are vested in the Commissioner to recover any amount obtained by any person by fraud, impersonation or other improper means and (6) the benefits of the Act are extended to (a) any person employed for the purpose of loading, unloading, fuelling, constructing, repairing, demolishing, cleaning or painting any ship of which he is not the master or a member of the crew, or (b) employed on a railway as defined in Sections 3 (1) and 118 (1) of the Indian Railways Act, 1890, by a person fulfilling a contract with a railway administration or (c) employed as an inspector, mail guard, sorter or van peon in the Railway Mail Service, or (d) employed in connexion with operations for winning natural petroleum or natural gas, as a rig builder, driller, driller's helper, oil well puller or bailing or cleaning oil wells or putting in and taking out casings or drill pipes in oil wells or (e) employed in any occupation involving blasting operations.

In 1931 the Act was further extended to cover workmen engaged in the construction, etc., of aerial ropeways.

The Amending Act of 1933—The Royal Commission on Indian Labour made a number of recommendations for expanding the scope of the Workmen's Compensation Act, 1933 and on effecting improvements in it. The Government of India, in the Department of Industries and Labour, introduced a Bill in the Legislative Assembly on the 22nd February 1932 giving effect to the Commission's recommendations. The Bill was circulated for opinion to Local Governments in March 1932 and was referred to a Select Committee of the Legislative Assembly on the 23rd Sept 1932. The Select Committee submitted its report in February 1933. The Bill was passed by the Legislature and the Act received the assent of the Governor General on 9th September 1933. It came into force on 1st July 1933 but certain sections of the Amending Act were brought into operation from 1st January 1934 in order to give time to the industries covered for making the unnecessary insurance arrangements in view of the alterations made in the amounts of compensation payable. The principal amendments made in the Act are as follows—

(a) The definition of "dependent" has been recast so as to divide dependents into two categories, placing in the first those who are in practically all cases actually dependent and in the second those who may or may not be in that position. Widowed daughters, widowed sisters

and widowed daughters-in-law as well as all legitimate children have been included in the list of dependents.

(b) The scope of the Act has been extended so as to cover as completely as possible all workers in organised industries whether their occupations are hazardous or not and a step has been taken in the direction of extending the benefits of the Act to workers in less organised industries when employment is subject to much risk. The distinction which existed between seamen employed in the ships registered in India and those in ships registered in foreign countries has been removed. Any person employed as the master or a seaman of any ship which is propelled by mechanical power or towed by a ship so propelled as well as in any other kind of ship whose net tonnage is 50 tons or more are brought within the scope of the Act. Not only workmen employed within the precincts of a factory but also men engaged in any kind of work incidental to or connected with work in a factory are entitled to the benefit of the Act. Other classes of workers included within the scope of the Act are, drivers of private motor cars, workers employed in handling explosives or in the construction of any building twenty feet or more in height or in the construction, working, repair or demolition of any aerial ropeway or in any occupation ordinarily involving outdoor work in the Indian Posts and Telegraphs Department, or in the operation of any ferry boat capable of carrying more than ten persons or in any estate which is maintained for the purpose of growing cinchona, coffee, rubber or tea, or in a lighthouse as defined in clause (d) of section 2 of the Indian Lighthouse Act, 1927, or in producing or exhibiting cinematograph pictures, or in the training, keeping or working of elephants or wild animals or employed as a diver.

(c) The waiting period has been reduced from ten to seven days.

(d) The scales of compensation for death and permanent total disablement which are graded according to seventeen wage classes, have been considerably enhanced and the minimum rate introduced represents an increase of over 100 per cent on that given under the original Act, while the maximum is increased by 60 per cent. The basis of calculation of the amount of compensation in the case of deaths or permanent total disablement is the same as before, i.e., 30 months' wages for the former and 42 months' wages for the latter for adults. The maximum amounts of compensation for deaths and permanent total disablement have been increased from Rs 2,500 and Rs 3,500 to Rs 4,000 and Rs 5,000 respectively. In the case of minors there is no change in the amount of compensation for death but the maximum compensation for permanent total disablement has been prescribed at a uniform rate of Rs 1,200 as against 84 months' wages or Rs 3,500 whichever is less, in the original Act. The maximum limit to the amount of half-monthly payments in the case of temporary disablement to both adults and minors has been raised from Rs 15 to Rs 30.

(c) New provisions have been inserted into the Act enabling the interests of dependents in cases of fatal accidents to be better safeguarded by ensuring that (i) in as many cases as possible, fatal accidents are brought to the notice of Commissioners, (ii) where the employer admits liability, compensation is to be deposited promptly, and (iii) where the employer disclaims liability and there are good grounds for believing compensation to be payable, the dependents get the information necessary to enable them to judge if they should make a claim or not

(f) A contractor has the right to be indemnified by his sub-contractor if he has had to pay compensation either to the principal or to the workman

(g) An employer may make to any dependant advances on account of compensation not exceeding in aggregate of one hundred rupees, and so much of such aggregate as does not exceed the compensation payable to that dependant shall be deducted by the Commissioner from such compensation and repaid to the employer. Further, the Commissioner may deduct Rs 25 from the amount of compensation payable,

for the funeral expenses of a deceased workman and pay the same to the person by whom such expenses were incurred

(h) The following four new industrial diseases have been added to Schedule III of the Act — (1) Mercury poisoning or its sequelæ, (2) poisoning by benzene and its homologues, or the sequelæ of such poisoning, (3) chrome ulceration or its sequelæ and (4) compressed air illness or its sequelæ

Statistics—The statistics regarding cases disposed of under the Act have been collected and published since 1st July 1924 on which date the Act came into force. These statistics relate to the more important classes of workers, i.e., workers in factories, mines and docks and on railways and tramways. The total amount of compensation paid to these classes of workers was about 6½ lakhs of rupees in 1925, 8½ lakhs in 1926, 11 lakhs each in 1927 and 1928, 12½ lakhs in 1929 and 1930, 10½ lakhs in 1931 and 8½ lakhs in 1932. The following table shows the number of cases, classified by nature of injuries, and the amounts of compensation paid in each year since 1924 —

Year	Number of Cases			Amount of Compensation paid for		
	Fatal	Non-Fatal	Total	Fatal Cases	Non-Fatal Cases	All Cases
1924*—				Rs	Rs	Rs
Adults	249	3,898	4,147	82,085	66,248	1,48,333
Minors	2	19	21	375	1,516	1,891
1925—						
Adults	583	10,751	11,334	3,45,995	2,95,535	6,41,530
Minors	7	30	37	200	2,391	2,591
1926—						
Adults	651	13,387	14,048	4,25,935	3,94,385	8,20,320
Minors	3	45	48	460	695	1,155
1927—						
Adults	777	14,397	15,174	5,81,400	5,27,984	11,09,384
Minors	6	36	42	840	1,030	1,870
1928—						
Adults	819	15,898	16,717	5,21,510	5,69,741	10,91,251
Minors	9	42	51	2,494	1,985	4,479
1929—						
Adults	886	17,942	18,829	5,87,190	6,70,573	12,57,763
Minors	2	34	36	200	2,201	2,401
1930—						
Adults	867	22,656	23,523	6,59,302	7,85,750	12,45,052
Minors	4	47	51	1,100	612	1,712
1931—						
Adults	696	16,764	17,460	1,44,246	6,20,885	10,65,131
Minors	3	26	29	600	625	1,225
1932—						
Adults	600	13,611	14,211	3,60,161	4,62,093	8,22,257
Minors	1	19	20	200	688	888

* The figures for 1924 relate to only the six months from 1st July to 31st December

Workmen's Compensation

The following tables set out the proportion of contested cases out of the total number of applications received by the Commissioners in each year —

Year	No. of Applications disposed of	Number of contested Cases	Percentage of contested cases to total disposed of
1924	92	14	15.2
1925	579	100	18.6
1926	835	198	23.7
1927	1,224	281	22.9
1928	1,066	309	28.7
1929	1,385	275	20.7
1930	1,118	90	21.48
1931	1,367	296	21.66
1932	1,661	328	21.01

The details of agreements (i) disposed of, (ii) registered as filed and (iii) rejected on account of inadequacy are given below for each year —

Year	Number of Agreements			
	Disposed of	Registered as filed	Registered after modification	Not registered on account of inadequacy, etc
1924	41	53	1	7
1925	599	90	3	6
1926	991	25	5	3
1927	701	182	12	7
1928	887	85	25	7
1929	1,066	1,024	14	8
1930	1,007	940	20	28
1931	1,060	1,018	18	24
1932	993	942	22	29

Effect on Industry—A compulsory system of workmen's compensation enhances the cost of production but not to any appreciable extent. In the case of coal mines, the increase in cost has been estimated to be not more than annas four per ton of coal (*vide* para 39 of the Report of the Indian Coal Committee, 1925). However, the owners of many of the smaller coal mines have been compelled to close down their mines due mainly to the severe depression with which the industry has been faced. In the Punjab the proprietors of the coal mines in the Jhelum District are reported to be not satisfied with the privileges enjoyed by the miners under the Act as some of them have had to pay as compensation on a single accident more than they could earn during a month. An unexpected increase in the number of serious and fatal accidents may undoubtedly make a big hole in the profits of a concern but the remedy for this lies in accident insurance. Facilities for accident insurance are now being provided by a number of leading insurance companies in the country and the most important of these are the Claims Bureau in Calcutta and Madras. The Calcutta Claims Bureau which represents many of the leading insurance companies operating in India deals with a large number of claims and offers valuable co-operation to the authorities in settling compensation claims. In Bombay, insurance companies were concerned with half the number of cases that came up before the Commissioner. Insurance Companies as a rule contest only cases involving questions of law or principle and are of benefit to all concerned. In these provinces insurance is widely resorted to by the employers especially in the Textile Industry. The Millowners' Mutual Insurance Association, Ltd., Bombay, is an organisation of employers one of whose objects is the Mutual insurance of members against liability to pay compensation or damages to workmen employed by them, or their dependants for injuries or accidents, fatal or otherwise, arising out of or in the course of employment. The Association has about 60 members and is controlled by a Board of Directors. In other Provinces accident insurance does not appear to have made much progress.

INDUSTRIAL HOUSING

One of the most vital problems facing industrial employers in India to-day is that connected with the housing of the labour which they employ. The importance and the urgency of providing decent housing cannot be sufficiently emphasized.

The conditions of industrial housing in India are in many cases, appalling and the majority of buildings, tenements or huts in which industrial labourers are housed are insanitary and more or less uninhabitable from Western points of view. Provincial Governments, Municipalities, Improvement Trusts and the larger employers have done a great deal to mitigate the evils resulting from an insufficiency of decent sanitary housing for labour, but a considerable amount still remains to be done before this question can be considered to have been satisfactorily solved.

Several commissions and committees of inquiry appointed by the Government of India and the Provincial Governments in connection with various subjects have dealt with the question of industrial housing. The Industrial Commission in 1918 urged that, in addition to the scheme followed by the Improvement Trust in Bombay, other measures should be adopted such as the refusal of permission with a few exceptions, to fresh industrial concerns to be established, the setting up of a special area for industrial development, the removal of the existing railway workshops from the City, supply of housing accommodation to employees by railways, Government departments and public bodies, improved communications with a view to creating industrial suburbs, and a definite programme of construction to be taken up by local authorities. The findings of other commissions and committees with regard to this question follow similar lines.

Labour Commission's Recommendations—The Royal Commission on Indian Labour have made several recommendations in connection with Industrial Housing. These recommendations fall under various categories, (1) Legislative Action by the Central Government, (2) Administrative Action by the Central Government, (3) Legislative Action by Provincial Governments, (4) Administrative Action by Provincial Governments, (5) Administrative Action by public bodies such as Municipalities, Improvement Trusts, etc., and (6) Action by Employees and Workers organizations. The recommendations under the first head included a suggestion to amend the Land Acquisition Act in such a way as to enable owners of industrial concerns to acquire land for the erection of workers dwellings. The Government of India introduced a Bill in the Legislative Assembly to amend the Land Acquisition Act in the manner suggested and this Bill was passed into law in 1933. The Commission's recommendations under the second head mostly concern Railways, and although the Railway Board agrees on the vital urgency

of providing greater facilities for adequate housing it has come to the conclusion that no material advance can be made in this direction at present owing to financial stringency.

The Commission's recommendations with regard to legislative action by Provinces are of a very ambitious character. They include Town Planning Acts for the Bombay and the Bengal Presidencies providing for the requisition and lay out of suitable areas for working class housing, the opening up and reconstruction of congested and insanitary areas, the "Zoning" of industrial and urban areas and Government grants and loans to approved schemes. For administrative action by Local Governments, the Commission recommend that they should make surveys of urban and industrial areas to ascertain their needs in regard to housing, and that they should then arrange for conferences with all interested parties in order that decisions may be taken as to practicable schemes and the methods whereby their cost should be shared. Where suitable Government land is available, Government should be prepared to sell or lease to those who agree to build houses within a specified period, and Government should announce their willingness to subsidise in this or other ways employees housing schemes approved by them. The Commission further recommend that Government should insist that all local authorities should frame bye laws laying down minimum standards in regard to floor and cubic space, ventilation and lighting and that the Governments themselves should draw up regulations for water supplies, drainage schemes and standards for latrines. For action by Public Bodies, the Commission recommend that the provision of working class housing should be a statutory obligation on every Improvement Trust and that it should be possible for Improvement Trusts to provide land, roads, sewers and sanitary conveniences for new areas but that street lighting and water mains should be a charge on Municipalities. Improvement Trusts should be placed in a position to recoup themselves from the enhancement of land values resulting from their activities. It has also been suggested that co-operative building societies and similar activities should be encouraged. In view, however, of the present acute financial stringency prevailing in all Provinces it is very doubtful whether most of the Provincial Governments will be in a position to do much in the matter of Industrial Housing.

Bombay Presidency—The first attempt to improve housing conditions in Bombay City was made after the plague of 1896 when the heavy mortality and the great exodus that followed paralysed the trade and industry of Bombay. The Bombay Improvement Trust was established in 1898 "for the work of making new streets, opening out crowded localities, reclaiming lands from the sea to provide room for the expansion of the city and constructing sanitary dwellings for the poor and the police." Owing to its limited powers and the various

difficulties which it encountered the Trust had to content itself for the first few years of its existence with "slum pitching," the development of a few building sites, the construction of a few chawls and the development of main roads. In more recent years, however, the Trust has been able to do a considerable amount of good work in the direction of industrial housing and has built over 1,300 tenements for housing its own labour and 99 chawls containing about 9,000 tenements in all for housing labour in general. The Bombay Port Trust which engages on an average about 8,000 manual workers in all its departments has provided accommodation for a little over 3,000 of its workers. The Bombay Municipality has provided a large number of chawls for its employees as will be evidenced by the fact that nearly 75 per cent of the seven and a half thousand scavengers employed are provided with quarters. Varying proportions of the numbers of employees in the other departments of the Municipality are also provided with adequate housing. According to the information collected by the Bombay Labour Office in 1925, 28 out of the 76 textile mills in Bombay City which furnished information for the enquiry had provided housing for their operatives. 7 out of these mills provided residential accommodation only for employees in the Watch and Ward Department and the rooms provided were given free of rent. In the 22 mills which provide partial housing for all classes of operatives, the number of workers who lived in the tenements provided amounted to 12,149 out of 64,720 employed. More recent information collected by that office during the year 1933 shows a position of *status quo*. The G. I. P. Railway owns 20 chawls containing 841 one room tenements and the B. B. & C. I. Railway owns more than 300 one-room tenements for housing their employees.

No action was taken by the Local Government in Bombay City for housing general industrial labour till after the end of the war. A broad and comprehensive policy was drawn up just after the end of the war by the Government of Bombay under the personal inspiration of Lord Lloyd, then Governor of Bombay, for dealing with the problem. A Development Directorate was formed in 1920 to co-ordinate the various housing activities of Government, the Municipality, the Improvement Trust and the larger labour employing organisations. The original intention of the Directorate was to construct 625 chawls located in 3 industrial centres and to comprise of 50,000 tenements for working classes, within a period of 9 years from 1921 to 1929. The original estimated cost was 5½ crores of rupees and a town duty of a rupee per bale of cotton on all cotton entering Bombay was imposed under the City of Bombay Municipal and Improvement Act of 1920. The scheme was launched at a time when the industrial prosperity of the country was at its zenith and labour conditions in the City were abnormal. By the end of 1927, 207 chawls with 16,524 tenements were constructed but only 123 chawls with 8,234 rooms were occupied. These chawls unfortunately do not attract industrial labour in Bombay to live in them, the reasons attributed to the failure being the

distance of the chawls from the mills, the absence of travelling facilities and other amenities of city life. The average economic rent per tenement worked out at Rs 16 per month but the actual rents charged were fixed, on an average at barely 50 per cent of the economic rent and accommodation can now be had in the chawls at Worli at Rs 5 per room on all floors, except for a corner room for which an extra rupee is charged. The rents in the Naigram and Sewai chawls are Rs 7 per room on all floors and for those in the chawls at DeLisle Road Rs 8 per room per month on all floors. One rupee extra is charged for corner rooms. The rents charged prior to 1st April 1929 were, however, higher for all centres. Frequent strikes in the cotton textile mills and general industrial unrest in Bombay City have been largely responsible for the non-occupation of the rooms in the chawls of the Development Department during the last two years and the figure for the number of tenements occupied on the 31st March 1933 was only 8,730 out of 16,524 rooms available.

Ahmedabad City—Probably in no other industrial centre in India is the condition of the housing of the working classes so bad as it is in Ahmedabad. The Textile Labour Union at Ahmedabad published a pamphlet entitled "A plea for Municipal Housing for the Working Classes in the City of Ahmedabad" a couple of years ago for submission to the Ahmedabad Municipality. In this pamphlet the Union deals with 23,706 tenements observed and studied by it. The Union reports that there is absolutely no provision of water in the case of 5,669 tenements, 3,117 tenements have a supply of some sort from wells. Even those which are supposed to possess the advantage of Municipal water have a hopelessly inadequate arrangement in this respect—a tap or two in a compound for a group of 200 or more families. Bathing and washing accommodation has not been thought of except in one or two chawls erected by mills. 5,360 tenements had no latrine accommodation. In most of the remaining tenements the Union reports that the arrangements are miserable in quality and grossly insufficient in quantity and that urinals are conspicuous by their absence. Only a few tenements are provided with any sort of drainage. No other drainage arrangement exists.

The evils of bad housing in Ahmedabad were considerably aggravated as a result of the flood of July 1927 in Gujarat which destroyed over seven thousand houses in the City of Ahmedabad. The bulk of these houses belonged to the working classes. The Union in the pamphlet referred to, reports that the situation which had arisen in consequence of the flood was grave beyond words. Of the thousands who had been unhoused many came to share with their relatives and friends the accommodation that was already heavily overcrowded. Hundreds were altogether without shelter. The relief operations that were then carried out included the construction of huts intended to provide temporary accommodation to a number of those who could make no arrangement of their own. The Relief Committee set up by the leading citizens of Ahmedabad for reconstruction work

recommended that the Municipality should take as early steps as possible to construct 5,000 sanitary tenements by raising a loan for the purpose

In the opinion of the Labour Union the solution of the question of housing constitutes one of the obligatory duties of the Municipality and a growing appreciation of this aspect of the housing question on the part of the authorities has led to the incorporation in the City Municipalities Act (1925) under section 71, of a provision permitting City Municipalities to undertake provision of sanitary dwellings for the proper classes. Owing mainly to the efforts of Mr Guzarilal Nanda, Secretary of the Ahmedabad Labour Union, the Ahmedabad Municipality has recently decided to construct model dwellings for the working classes and considerable progress is being made on co-operative lines to provide industrial labour in Ahmedabad with better housing

A Census taken by the Bombay Labour office in the early part of 1931 showed that of 69 mills working in Ahmedabad, 34 provided housing accommodation for about 18 per cent of their employees, the total number of tenements being 3,708 of which 3,057 are one roomed, mostly 144 square yards in area with a cubic space of 1,592 cubic feet, the average rent of which was Rs 3-5 3 per month

Bengal Presidency—Housing is generally provided in Bengal by employers but the extent and quality of the housing depend on the cheapness and availability of land. In the more congested areas in Calcutta, Howrah and the nearer neighbourhood housing facilities are not provided on so big or so good a scale as in other areas. Most jute mills provide for their workers rooms constructed in the neighbourhood of the mills at rents varying from annas 8 to Re 1 per room per month. The sizes of the rooms vary from 8' x 8' to 10' x 10' and in some cases to 12' x 10'. In nearly all cases the rooms are constructed back to back and in most *pucca* floors and tiled roofs have been provided with narrow verandahs generally 4' wide used for cooking purposes. Very often the rooms are dark and in none of them can sun light penetrate through. Ventilation is unsatisfactory owing to the method of construction and the only openings in the rooms are the doors. If windows are provided they are kept shut. No chimneys or openings are provided for the escape of smoke in the majority of the houses. Recent enquiries made into the condition of housing in Bengal show that drainage, water supply and conservancy arrangements in *bastis* are abominable. Government and other public agencies do not provide housing, as in Bombay, for industrial purposes but some Government and public concerns do provide quarters for their own employees

Madras Presidency—As a result of the exertions of the Labour Department of the Government of Madras, Co-operative Building Societies and a number of local authorities some houses have been built for poor workmen in Madras City. Out of 1,530 registered factories a little over 200 factories are reported to have provided housing for a small number of their employees. Almost all plantation estates

in the Nilgiris, Malabar and Coimbatore provide "lines" for the coolie labour employed

United Provinces—Out of 330 regulated factories some 80 make provision for the housing of workmen and their families. Altogether about 5,400 single room and 1,045 double room tenements are provided by the employers. The McRobertsganj and Allenganj settlements of the British India Corporation at Cawnpore are about the only important examples of housing provided by employers for their workmen in that city. A scheme has however been launched by some of the owners of factories in Cawnpore for providing housing for some twenty thousand workmen and their families but it is still under discussion. Except as employers the Government of the United Provinces has done very little in connection with industrial housing. The Improvement Trust of Cawnpore has put up some temporary housing and the Improvement Trust of Lucknow has put up a model barrack in the area set apart as an industrial area. In the *bastis* or *hatis* where housing is provided by private landlords the type of tenement available is usually a small mud hut with a room at the back and a room or a verandah in front. The size and height vary. The usual size is 10' x 8'. The normal height is 6' to 8'. The only outlet for ventilation is the small main door. Even such tenements are reported to be shared by 2, 3 or even 4 families and as many as 10 persons may be found as inmates.

Central Provinces—Housing is provided for about 7,500 workers by some of the larger factories and mills in the Central Provinces. Nineteen per cent of textile labour and 7.5 per cent of the labour employed in minor industries is housed. The Pulgaon Cotton Mill maintains a settlement covering an area of 15 acres on which the millhands are allowed to build their own houses on payment of a nominal ground rent of annas 4 per annum per 100 sq ft. Probably the most magnificent scheme of industrial housing conceived in India is that launched by the Empress Mills under the agency of Messrs Tata Sons Limited at Nagpur. These mills have leased a plot of 200 acres at Indora, a suburb of Nagpur, two miles from the mills. The scheme is based on a desire to establish a model village. The idea is to build houses of the bungalow type standing on their own ground in plots measuring 36' x 53' with the limitation that building will not be allowed on more than one third of the space provided. The houses are let to the workers on the hire purchase system and it is expected that many of the workers will ultimately own them.

Bihar and Orissa—All the collieries in the Jharia coal field are amply and efficiently equipped with approved types of houses. Their design, construction, ventilation and general amenities are governed by the Jharia Mines Board of Health. Workers recruited from villages within five miles from the mine frequently prefer to live in their own villages and walk backwards and forwards to their work. In five collieries employing about ten thousand workers 4,775 houses are provided, five of the worst equipped mines employing 424 workers

provide 156 houses and five normally equipped mines employing 3,081 workers provide 1,162 houses. In many cases more than one employee is accommodated in one *dhoura* or house. Very frequently a man and his wife and his family all of whom may be recorded as separate labourers in the figures of the mining population occupy one house. Every house must be licensed. Licenses are not given unless the standards are complied with. If labourers are found in occupation of unlicensed premises the management is liable to prosecution. No rent is however charged and subletting is not known.

The Tata Iron and Steel Works at Jamshedpur have built nearly 5,000 residential buildings. Of these, 301 are rented at over Rs 20 per month. Sixteen are rated as hotels. The accommodation provided at present is insufficient and one of the problems the Company will have to face is the provision of a larger amount of housing.

Assam—Free quarters are provided for all residential employees on tea estates. Such non-resident labour as is employed is casual labour which comes from the adjoining villages and lives in its own houses. In the mines and oil fields free quarters are provided for the labour force employed. A Committee of Inquiry appointed in 1921-22 recommended that endeavours should be made to house immigrants from different provinces together in hamlets instead of putting workers from all provinces indiscriminately into barracks or lines. The main objection to this recommendation is the want of land as all available land is under tea. The housing conditions in the coal and oil fields are reported as being quite satisfactory. In Assam the tea estates are regularly inspected by District and Sub-Divisional officers. Although the legal powers of

interference have been curtailed by the abolition of indentured labour and the repeal of so much of Act VI of 1901 as related to such labour, still in practice the inspecting officers do invariably report on the condition of the lines. They call attention to the need of improvement and the management is generally ready to effect such improvements as are considered necessary.

Other Provinces—No special remarks are necessary in connection with the question of industrial housing in other provinces. Generally speaking no industrial slums as such or any big urban inflammation due to the presence of agglomerations of factory or other workers is particularly noticeable and the housing of labour is not to be differentiated from the ordinary poor citizen. Except in those cases where Government action has been definitely indicated, the governments of the various other provinces in India have done nothing for the improvement of industrial housing.

Railways—The general policy on railways is to provide residential quarters where it is necessary for special reasons to provide accommodation for certain classes close to their work and where conditions are such that private enterprise does not adequately meet the demand for housing the staff. The total expenditure incurred on housing provided by the principal railways since the commencement of operations amounts to nearly twenty-five crores, while the expenditure incurred during the last five years amounts to over seven crores. Notwithstanding this expenditure there is, at present, a considerable dearth of quarters on most railways. Endeavours are, however, continuously made to construct new houses in accordance with an annually pre-arranged programme as funds permit.

HEALTH

No satisfactory statistics are available regarding health conditions of industrial workers, e.g., morbidity rates among the workers, their average weight, height, etc., and in the absence of any sound statistical data it is not possible to generalise about these matters. The problems associated with health are always difficult they are much more so in a country where both climate and the poverty and ignorance of the people contribute to recurring outbreaks of tropical and other epidemic diseases. The main cause of ill health particularly among the workers in Bombay and Bengal, appears to be the prevalence of malaria in the localities in which they live. Major Covell, the Special Officer appointed by the Government of Bombay to enquire into Malarial conditions in Bombay City who submitted his report in 1928, says "It (Malaria) is still present in certain quarters of the southern portion of the City to a serious extent, but the most intense malaria at the present time exists in the vicinity of the mills more especially in Worli and Parel sections. In the northernmost portion of

Worli section, malaria is also slight, but as soon as the edge of the mill area is reached the incidence of the disease rises abruptly and extends over the greater part of Worli and Parel. The correlation between the intensity of Malaria and the proximity of mills was most striking, especially in certain cases where a single isolated mill happened to be present, e.g., the Victoria Mill in Chowpatty and the Colaba Land Mill in Colaba. The vast majority of the mills in Bombay are situated in the highly malarious area." The anti-malarial measures taken by the City Municipality have however resulted in a gradual reduction of the number of deaths from malarial attacks.

In the mines in the Madras Presidency, Malaria prevails in the Cuddapah district and at every change of season there is a prevalence of widespread fever. Malaria also prevails in the Thummaragudi mines throughout the year and the cold winds during the rainy season from Sandur Hills affect the health of the labourers in the mines of Tonaigiri. Tuberculosis prevails among industrial workers in the United

Provinces and Bihar and Orissa, and *Kala Azar* is common among workers in certain tracts like Bihar and Orissa

The following table gives the birth and death rates and the rate of infant mortality per thousand of the population for some of the important industrial centres. The figures, however, relate

to the whole population in most cases and as such are not likely to give an adequate idea regarding mortality, etc., among industrial workers. Besides, in certain cities like Bombay, it is customary for married working class women to leave the city for their confinement and register births in the mofussil.

A table showing (a) Birth rate and (b) Death rate per thousand of population and (c) Infant mortality for 1,000 registered births for certain important industrial centres

Centre	Period	Birth-rate per 1,000 of population	Death rate per 1,000 of population	Infant mortality per 1,000 registered births
Bombay	1932	24.8	19.7	218.00
Ahmedabad	1929	47.02	49.90	331.65
Sholapur	"	44.03	34.53	228.73
Karachi	"	55.83	30.97	230.55
Nagpur	"	50.63	52.24	290.77
Amraoti	"	59.60	49.14	330.91
Akola	"	41.73	35.36	251.27
Cawnpore	"	36.94	52.70	420.34
Lucknow	"	43.98	75.81	469.22
Allahabad	"	46.31	38.44	253.70

The relation between overcrowding and infant mortality is brought out in the following table extracted from the annual report of the Municipal Commissioner for Bombay City —

Infant Mortality by the Number of Rooms occupied in 1932

Number of rooms	Births		Deaths		Infant mortality per 1,000 births registered	
	Number	Percentage	Number	Percentage	1931	1932
1 Room & under	10,201	35.3	4,472	71.0	438	529
2 Rooms	2,401	8.3	638	10.1	265	412
3 "	348	1.2	92	1.5	264	372
4 or more Rooms	558	1.9	72	1.2	129	228
Hospitals	15,384	53.3	1,009	6.0	66	74
Board side	2	0.0	15	0.2		
Total	28,894	100.0	6,295	100.0	218	272

Working conditions—The factory department in Bombay has done much work in investigating the efficiency of different humidifying and ventilating plants in the weaving and spinning departments of Mills in Ahmedabad. As a result, all the new textile mills which have been constructed in Ahmedabad during the last five years are equipped with efficient ventilating and cooling systems and the benefits both to the workers and the processes involved are well recognised at that centre. There has been an extensive 'uplift' in the older mills and there is hardly a mill that has not made efforts in the direction indicated. There has latterly been a marked tendency to increase the pace of improvements in the spinning departments and one group of mills has installed 12 expensive plants that effectively cool and humidify the atmospheres of the spinning as well as of the weaving departments. A few mills in Bombay City have also installed new cooling and humidifying systems. A few other mills provide vacuum stripping apparatus in the carding departments. A plenum system of blowing external air near the workers in the boiling department of a soap factory produced results gratifying both to the worker and the management and it is hoped to extend the method to a few industries where the removal of surplus heat is a difficult matter. An enquiry made into the effect of employment on the health of the dhobi bleachers in Ahmedabad revealed that although there was little history of rheumatism, some are adversely affected by working with bleaching solutions. Several workers were found to be suffering from hyperæmia of the legs, but it was obvious later on that more care was being exercised by the contractors. Most of the dhobi work is done in uncovered tanks in the compounds and no shelters have been provided. It is said that the men are used to working in the hot Ahmedabad sun, but even the donkeys used so freely for load carrying take advantage of the shade when they are permitted to do so. The Bengal Report refers to the question of dust removal in Jute Mills and Text factories and to the investigations made to determine at what stage dust or fluff impregnation could be regarded as definitely injurious. It is considered that where exhaust trunk extracting systems are deemed to be essential in all factories in an industry the necessity to instal such equipment should be promulgated by rule. The continued trade depression, however, precluded the issue of a general order by Government. The majority of firms find the initial cost of such installations prohibitive but a few concerns have provided mechanical ventilation in their factories. Although some improvement in ventilation has been effected during the year 1932, the bad design and unsuitability of the majority of the buildings occupied by the smaller factories is stated to be still the chief obstacle to all round progress. In regard to Cotton ginning factories the Punjab Report states that ventilation was again far from satisfactory but apart from a drastic alteration in the method of ginning little can be done to improve ventilation sufficiently to dispose of the dust in ginning rooms, the cost of such alteration is at present prohibitive. The Central Provinces Report mentions that ventilation arrangements have

on the whole, shown satisfactory improvement in most perennial factories. In the present conditions, owners of ginning factories are unable to adopt the expensive system of ducts and exhaust fans to overcome the dust nuisance. The provision of ridge ventilation in cotton ginning factories has been a standard practice in the United Provinces in respect of new factories and is reported to have proved satisfactory when combined with a reasonable height of roof. Ventilation in other factories is steadily improving though the progress is not quite rapid due to depressed trade conditions. The extended use of electricity is steadily improving the general standard of lighting and is commended on with approval in the Provincial factory reports for the year 1932. The factory department in the province of Bihar and Orissa has compiled a little guide book to "Safety, Lighting and Ventilation in small factories," based on photometric observations, in order to help interested persons and builders of factories to so adjust the window areas as to secure sufficient amount of natural lighting.

Extent of Medical Facilities provided—The results of a recent enquiry into Welfare work conducted by the Labour Office shows that the provision of facilities for medical attendance and the supply of medicines is fairly general in all the larger labour-emplying organisations in the Bombay Presidency. The Textile Labour Union in Ahmedabad is the only association of employees which provides medical facilities for its members. There are also Government, Municipal or charitable hospitals and dispensaries which are open to the public and which are used by the labouring classes. In the United Provinces, many of the larger employers maintain dispensaries but no hospitals. The Dufferin Fund, a private organisation aided by grants from Government and local bodies, maintains female hospitals at the more important towns. The Lady Chelmsford Maternity and Child Welfare League maintains a number of centres for child welfare and the treatment of maternity cases. Many of the employers in the Central Provinces and Berar have provided well equipped dispensaries and medical facilities are within easy reach of the workers in almost all the factories and every important mining area in the Province. Some of the larger concerns in Bihar and Orissa and in the Punjab also provide medical facilities for their employees. In Madras only a few large factories provide dispensaries. Medical facilities in the plantations are fairly good. All the jute mills in the neighbourhood of Calcutta provide dispensaries but most of the doctors in charge are not registered medical graduates. Owing to financial stringency the Indian Jute Mills Association were unable to take any action on the welfare survey conducted by a lady doctor in the mill area and leprosy survey carried out by the school of tropical medicine. In spite of the general depression, the Julta Iron Works built a hospital with up to date equipment. In all the tea gardens in Assam and in Bengal medical attendance and medicine are provided for all classes of employees. The medical arrangements in a large number of estates are supervised by European medical officers. Well-

equipped hospitals are also provided for the labour force in the mines and oil-fields in Assam. Part-time medical attendance and medicines are provided by the employers in the Assam Mines Board Area. Medical facilities are also provided in the mines in Madras. In the Jharia Mining Settlement eight hospitals are maintained by employers, the number of beds varying from 6 to 12 in each ward.

All the Provincial Factory Reports for the year 1932 record a year of normal health amongst factory workers. There was no dislocation of industry anywhere on account of epidemics during the year 1933 except perhaps to some extent in Poona on account of the severe epidemic of plague in that City which lasted from July to October. Continued improvement in general sanitary conditions in the larger factories is reported in all provinces. In Bombay concentration on several factories of the bazaar type has led to considerable improvements and a rise in the standard of neighbouring smaller concerns not yet amenable to this Act. The lack of municipal facilities for the disposal of trade waste in Ahmedabad is stated to be a cause of insanitary factory surroundings in that area. Conditions in the Dharran Tanneries in the Bombay Presidency were investigated during 1932 and considerable improvements were effected. There was marked improvement in the sanitary conditions of factories in the Titaghar area in Bengal on account of the successful installation of a sewerage scheme. The Bihar and Orissa report states that the advisability and possibility of appointing Medical Inspector of Factories was under consideration of the local Government. The United Provinces Report refers to occasional cases of persons suffering from obvious diseases being employed in food product factories and states that the Medical Officers of Health were asked to give this question attention in their capacities as Additional Inspectors of Factories with a view to stopping the practice.

Maternity Benefits

In September 1924, Mr N M Joshi made the first attempt in the Legislative Assembly to introduce a Bill to make provision for the payment of maternity benefits in certain industries. Under this Bill, the Local Governments were to be asked to establish a Maternity Benefit Fund and to make payments out of this Fund. The Bill, after circulation, was thrown out by the Assembly in August 1925.

The first Province in India to pass a Maternity Benefit Act was Bombay. The Act came into force on 1st July 1929. According to this Act, the payment of maternity benefits is an obligation which is imposed directly on the employer. The Annual Report on the administration of this Act for the year ending 30th June 1933 shows there were 117 claims paid per 100 women employed and the total amount of maternity benefit paid under the Act was Rs 1,35,813. The Bombay Municipality has started since February 1928 a maternity benefit scheme by which benefit is given to halalkhore and scavenging women in the form of leave with full pay not exceeding 42 consecutive days, including the date of confinement, as

certified by the Executive Health Officer, if the birth takes place in Bombay, and by a Police Patel or by hospital authorities if it takes place out of Bombay.

An Act was passed by the Central Provinces Council in 1930 on the same lines as that in Bombay. During the year 1932 benefits amounting to Rs 12,394 were paid to 605 women workers.

In Assam, voluntary maternity benefit schemes have been adopted by almost every tea estate of repute. While pregnant women remain at work, they are put on light work on full rates of pay. During the period of advanced pregnancy and after childbirth leave on half pay is usually granted and in some cases full pay is allowed and a bonus at childbirth is often granted in addition. The bonus is in some cases conditional on the child being healthy. The Assam Railways and Trading Company, the next largest employers of labour in Assam, grants six months leave on half pay provided the women have been examined by the medical officers and attend hospital once a week. The Assam Oil Company grants leave on half pay for three months. On some estates in Coimbatore District female coolies are fed free for a month before and a month after confinement. On other estates maternity benefit ranging from Rs 3 to Rs 5 is paid and in some other estates free feeding of the women for two weeks before and three weeks after confinement is arranged.

Labour Commission's Recommendations — Among the more important recommendations made by the Royal Commission on Indian Labour in connexion with the health of the industrial worker are the following —

- (a) India should have an Institute of Nutrition
- (b) Local authorities should construct sanitary markets in all urban and industrial areas
- (c) Adulteration of Foods Acts should be in force in all Provinces
- (d) In industrial provinces Public Health Departments should be strengthened to deal with industrial hygiene and industrial disease
- (e) Women should be appointed to public health staff particularly in the more industrialised Provinces
- (f) Comprehensive Public Health Acts should be passed in all Provinces
- (g) Where piped water supplies are not available special precautions as to purity should be taken
- (h) Every provincial health department, every railway administration and all Boards of Health and welfare in mining areas should employ full time malariologists
- (i) A Government diploma for health visitors should be instituted as the recognised qualification required of all women aspiring to such posts
- (j) In the larger industrial areas Governments, local authorities and industrial management,

music, etc., are arranged for in a few mills while in a few others annual social gatherings are held. Tea shops are provided in a good number of mills while cheap grain shops for the benefit of the workers are run by four mills. The Sassoon group of mills allow their workmen to make purchases from their cloth shops at 10 per cent discount on credit, recoveries being made from wages. The employees of 17 mills enjoy the benefits of provident funds while pension schemes for employees are in force in 9 mills. Co-operative credit societies are established in 23 out of the 65 working mills studied.

The Royal Commission on Indian labour have recommended that there should be a more general extension on the part of the employer of welfare work in its broader sense, and that in the larger jute and cotton industrial areas, mills and factories should organise in groups, each establishment having its own welfare centre and health visitor under the supervision of a woman doctor employed by the group.

Employment of Welfare Officers and Workers—The All-India Industrial Welfare Conference of 1922 passed a resolution that social service organisations should be asked to take up the work of training welfare workers. The establishments of workers' committees in all industrial establishments was also urged but very little progress appears to have been made so far in this direction.

In the Bombay Presidency except in the case of the Sholapur Spinning and Weaving Mills in Sholapur and the Currumbhoi Ebrahim Workmen's Institute at Bombay, no other employers have employed any special welfare officers or workers to conduct their welfare activities. But Messrs E. D. Sassoon & Co. Ltd., have appointed an England returned B.Sc. of the London University as a Labour Officer for all their eleven Textile Mills in Bombay City.

In Bihar and Orissa, the Tata Iron and Steel Company has recently appointed a welfare officer with an office and staff to co-ordinate the various welfare activities that have been carried on by the Steel Company.

In the Central Provinces and Berar, except at the Empress Mills, no regular staff of welfare officer and workers has been appointed.

In the United Provinces, the British India Corporation employ a full time welfare superintendent and a trained staff consisting of 4 doctors, 5 nurses, 8 matrons, 8 compounders, about a dozen midwives, 19 teachers and 2 sergeant patrols.

In Bengal, attempts have been made by some mills to set up day and night schools but many of these schools are reported to have been closed owing to the lack of interest shown by the employees. Except for the facilities for technical training that are provided at the Ichhapur Rifle Factory, the Cossipore Gun and Shell Factory and the Government Weaving School at Serampore there is little or no organised provision for industrial and vocational training in the industrial centres in Bengal.

The welfare centre inaugurated in Clive Jute Mills made good progress during the year 1932. The Indian Iron and Steel Company, Hirapur, established a Baby Clinic in the charge of a

qualified nurse. The Burmah Shell Company's labour bureau and welfare department at Budge Budge continued to do excellent work. An instance of the progress made is stated to be the success of the night school conducted by the department. A number of workmen who attend the school were, until recently, absolutely illiterate but now many of them are able to fill up money order forms, write out an address, and read a telegram.

In Bombay, the Bombay Municipality has introduced compulsory education in F and G Wards which are chiefly peopled by millhands. In the Government factories at Kirkee, the Kirkee Education Society which is well supported by the factory authorities conducts six night schools. The Gokak Falls Mills Company maintains one night school for adult workers. In Ahmedabad one mill runs a school for half-timers and eight mills maintain schools for workers children. Three mills in the Sholapur district and the Government workshop at Dapuri provide for the primary education of half-timers.

The Social Service League, Bombay, maintains 9 night schools and a Textile Technical School at Parel, for imparting practical and theoretical training to actual mill workers. The Bombay Y.M.C.A. conducts 14 night schools with an average daily attendance of about 200. The Ahmedabad Labour Union conducted in 1933, 16 day schools, 10 night schools, one Nursery school, one boarding school for boys and one boarding school for girls.

In Bihar and Orissa, the Tata Iron and Steel Company has established a Technical Institute at Jamshedpur to train in theory and practice certain selected students for positions in the operating departments. The Company also maintains twenty-two schools for the education of the children of its employees.

In Madras, seventy factories registered under the Indian Factories Act have provided schools for half-timers and in some cases for employees' children also. The Buckingham and Carnatic Mills maintain a day as well as a night school. The day school is an elementary school with 5 standards and has a technical section attached to it.

In Burma, very few firms provide facilities for education. The Burma Oil Company maintains schools in the Yenang-Yaung Oilfield for about 800 children and proposes to start a night school for its employees. The Burma Corporation makes an annual donation of Rs. 1,000 for the maintenance of the Anglo Vernacular Middle School at Nyaung-U and is also constructing a school at Baldwin for the education of the children of its employees.

In the United Provinces, the British India Corporation maintains four day schools for boys and girls, two night schools and two industrial classes, for employees. The Elgin Mills at Cawnpore, the United Agra Mills, Agra and the B.N.W. Railway Workshops at Gorakhpur also provide for the education of the children of their employees. The Elgin Mills have built a permanent stage for dramas and purchased a cinema machine for the entertainment of their workers. Messrs Begg Sutherland & Co.

who are the managing agents for several large concerns, carry on welfare activities in providing schools, free milk to supply pupils, dispensing gymnasium and sports, library, recreational programmes, etc

In the Punjab, only the new Egerton Woollen Mills Company, Dhurawal, maintains a school

In the Central Provinces and Berar, the Empress Mills in Nagpur have Nursery and primary classes for the children in the crèches. During the year 1932, 552 children received primary education in factory schools as against 765 in the previous year the fall in attendance being due to a general reduction in the number of children employed. Crèches are attached to six cotton mills and one pottery works in this province. The educational work outside the mills is conducted by the Young Men's Christian

Association which has established 9 centres where the mill workers reside. Of these, 8 centres have night schools. The Impress Mills also make annual contributions of about Rs. 3,500 to other schools where the children of the work people study.

In Assam some of the tea gardens maintain schools for children, but these schools are not popular as the labourers are generally recruited from the aboriginal tribes with whom education is at a discount particularly as it interferes with the earnings of their children who find employment in the gardens. The Assam Oil Company maintains a Middle English School and the Assam Railway and Trading Company provides a Middle English and a Primary School for the children of their employees. No industry provides schools for adult labourers.

Welfare Work on Railways.

Recreation—Railways as a group are the largest employers of labour in India and their welfare work is therefore being dealt with separately. All Railways provide facilities for

recreation for their employees and their children. The number of recreational clubs or institutes provided on each railway are shown in the following table—

Name of Railway	Number of Institutes for	
	Europeans and Anglo Indians	Indians
North Western Railway	32	19
East Indian Railway	33	26
Eastern Bengal Railway	11	14
Burma Railways	15 in all	
Great Indian Peninsula Railway	27	29 (2 for all nationalities)
Bombay, Baroda and Central India Railway	17	12
Bengal Nagpur Railway	11	19
Madras and Southern Mahratta Railway	21	7
South Indian Railway	19 in all	

Each institute is regarded as a club provided by the Railway free of rent. The institutes provide a reading room, indoor and outdoor games, etc., and are generally self supporting although grants are made from fines' funds to meet the recurring expenses in deserving cases. The railways also undertake to recover the subscriptions of the members through the paysheets and to remit them to the manager of the institute. The membership of the institutes is compulsory on some railways.

Sports committees and athletic clubs have been formed on several railways, e.g., the G.I.P. and the East Indian Railways with the object of promoting athletic sports among the employees and organizing tournaments. The Indian Railway Athletic Association formed for the promotion and development of inter railway athletic competitions of all

kinds is a registered association and its membership is open to the Railway Board and its subordinate offices as well as to railways which are parties to the Indian Railway Conference Association. Inter district or inter divisional competitions are also run by local sports committees with the idea of encouraging sports among all classes of staff. The inter railway boxing, wrestling and football competitions are arranged in four groups. In 1931 the North Western Railway provided a stadium within easy reach of the living quarters of the Railway employees at Moghulpura.

The cinema shows and magic lantern lectures which have been recently organized for the recreation of railway employees are growing in popularity with the staff.

The East Indian Railway locomotive and carriage and wagon workshops, Lucknow, have Welfare Committees which meet monthly and dispose of matters brought forward by the various delegates. Such Committees have also been formed in the Perambur as well as the Golden Rock workshops of the South Indian Railway.

Education—Almost all Railways provide facilities for the education of their illiterate staffs as well as the children of Railway employees. The progress made in this direction on each railway may be briefly stated as follows—

The N W Railway have started three experimental schools for adult workers in the running locomotive sheds at Lahore, Sibsund Kotri. The experiment has so far been confined to the locomotive staff as the majority of the staff in this branch are illiterate and education provides a great inducement in that wages can practically be doubled by qualifying for promotion to the higher grades of running staff. The East Indian Railway provide 37 schools for the employees of the Operating Department. The Eastern Bengal Railway provide 9 night schools for adult employees, the daily average attendance at these schools being 309. On the Burma Railways educational facilities for adult workmen have hitherto proved a failure and another experimental school has recently been opened for firemen.

The B B & C I Railway has recently opened classes for imparting instruction in the three R's at 3 centres on the Broad Gauge and 3 on the Metre Gauge systems. As an inducement to study, a bonus of Rs 5 is paid to each man passing a simple test. On the E B Railway, the Locomotive Department holds classes at Lunding, Badarpur and Chittagong to assist drivers to qualify as "English speaking" which grade carries a higher pay. The only facilities given by the B & N W Railway are first aid classes and subjects of a technical nature in the Locomotive Department. The Bengal Nagpur Railway provides 14 schools for imparting elementary training in reading, writing and rudimentary arithmetic to Indian drivers, shunters and firemen so as to enable them to make themselves personally acquainted with the rules and orders affecting train working. On the M & S M Railway there are two night schools at Hubli and Guntakal respectively both of which receive financial support from the Company.

Schools for the education of adult workmen do not exist on the G I P Railway but a school is established at Bina for imparting technical instruction and conducting refresher courses in Railway working.

For Workers' Children—The facilities provided for the education of the children of railway employees are as under—

About 100 schools for European and Anglo-Indian children and 130 schools for Indian children are maintained at suitable centres and the total number of pupils on the rolls is

about 5,000 and 16,000 respectively. The total expenditure from revenue on the European and Anglo Indian schools is Rs 4 lakhs per annum and on the Indian schools Rs 1.4 lakhs. The Railway Department also aids certain schools for children of railway employees. The total number of children in railway aided schools is about 4,000 (European and Anglo-Indian) and 8,000 (Indian) and the total annual grants made by the Railway are about Rs 50,000 to each group. The Railway Department also gives direct financial assistance to its employees towards the education of their children in certain hill schools. The total expenditure on this account in 1927-28 was Rs 3.5 lakhs for Europeans and Anglo Indians and Rs 28.8 thousands for Indians.

Facilities are also afforded by the grant of passes and concession tickets to enable the children to attend schools.

The present methods of assistance have recently evoked public criticism on the score of their being more favourable to European and Anglo-Indian employees than to the Indian and with a view to eliminating all trace of racial discrimination the Railway Board placed Mr C E W Jones, C I E, I E S, on special duty in 1927 with instructions to collect all facts and figures regarding the assistance given by railways for the education of the children of their employees. On a consideration of Mr Jones' report the Board have now formulated their future policy on the following lines—

All railway schools would be transferred to local authorities or private bodies, special grants being given out of railway funds where necessary. The assistance given by the Railway Department would be confined to employees who draw pay below a prescribed maximum and to parents who are obliged to send their children to boarding schools. The assistance would take the form of grants to the employees of a fixed proportion not exceeding one-half of the board and tuition fees, the proportion depending upon the pay drawn by the parent and falling with the increase in pay. The assistance would be open to all employees without distinction of community, race or creed.

Several company managed railways have also signified their willingness to adopt a similar policy. But the question is still receiving further consideration because of the representations received in connexion with the scheme.

Co-operation—The Railway Administration have noticed that heavy indebtedness degrades the employee and impairs his efficiency and they have therefore encouraged the formation of co-operative credit societies and co-operative stores for all grades of employees.

Co-operative Credit Societies have been formed on all railways and are managed by committees generally elected from among the shareholders. But in some cases, the heads of the departments are required to be the chairmen of the committees and they have power to nominate some of the members of the committee.

WAGES

It was in 1873 that one of the earliest attempts to collect wage statistics in India was made by issuing instructions to District Officers to submit half yearly returns showing the average monthly wages of certain classes of skilled and unskilled labour. The returns thus collected were utilized for compiling a series of comparable statistics of wages for selected Districts in each Province and these statistics were published in the publication "Prices and Wages" issued annually by the Director-General of Commercial Intelligence and Statistics. A reference, however, to Mr Dutt's Report on an Enquiry into Rise of Prices in India would show that these statistics were found to be wholly unreliable and consequently these half yearly returns from District Officers have been discontinued since 1910. In their place a quinquennial wage census was adopted in all Provinces, except in the Central Provinces where an annual return was obtained from District Officers. The first quinquennial wage census was held in 1911-12 and the second in 1916-17. The statistics regarding wages continued to be published in "Prices and Wages" which gave the results of the quinquennial wage censuses in respect of a few urban and rural occupations. As the statistics were still far from satisfactory the third wage census, which was due in 1921-22 was abandoned except in Madras and the Punjab. In 1921 an attempt was made by the Government of India to hold an All-India census of industrial wages with the active and voluntary co-operation of employers, but nothing could be done partly because a number of employers either failed to submit returns or submitted incomplete returns and partly because neither the Central nor the Local Governments were able to provide the staff required for the purpose owing to financial stringency. The annual issues of Prices and Wages were also suspended in 1923 as a result of retrenchment and no regular official wage statistics are now published for British India as a whole.

In the United Provinces a scheme for a census of Industrial Wages to be taken along with the regular census was considered but was not carried through. A periodical survey of wages has been carried out every five years since 1912 in the Punjab. These surveys deal with the wages of certain classes of workers in three principal towns, in selected villages unaffected by urban conditions, and at certain Railway stations to secure a means of comparison with

rural wages in the same neighbourhood. Beyond the figures of average monthly wages of certain classes of labour submitted by factories in all Provinces every year for inclusion in the annual Reports on the Administration of the Indian Factories Act, no regular and detailed statistics of industrial wages are available. In Madras quinquennial wages censuses have been conducted since 1908 showing the average wages of certain artisans (as well as farm servants employed in agricultural labour) in respect of homogeneous tracts and districts. These censuses, however, only relate to rural and urban wages and not to industrial wages. A thorough investigation of the conditions of labour, and particularly the rates of wages on tea estates in Assam, was made in 1921-22 by a Committee appointed by the Government of that Province. The Labour Office of the Government of Bombay conducted three enquiries into the wages of workers in the cotton mills in the Bombay Presidency in 1921, 1923 and 1926 respectively. Apart from these enquiries, the Labour Office has also conducted enquiries into (1) Wages of peons in Bombay, (2) Agricultural Wages, (3) Wages of Municipal workers, (4) Clerical Wages in Bombay City and (5) Wages of Printing Press Workers in selected Printing Presses in Bombay City. The results of all these enquiries have been published either in the form of special Reports or in the "Labour Gazette."

The Government of Bombay have now launched a general wage Census which is intended to cover in about two years, all factories, transport workers, workers in docks, municipalities and building trades, etc. The first part of the Census will be held for the month of May 1934 and will cover every perennial factory in the Bombay Presidency. The enquiry is to be conducted on the basis of the muster roll and essential information regarding the number of days worked during a pay period by each worker, his rate of wages and his earnings will be called for. Seasonal factories will be covered for one month of intensive working during the winter of 1934-35 and all non factory industries and organisations will be covered between March and December next year. To the best of the knowledge of the Labour Office no other country in the world has attempted an enquiry into wages on such a gigantic scale and the results of the Census will be of a far reaching character.

WAGE RATES

Agriculture—Whether wages paid to agricultural labour in India have kept pace with the increase in the cost of living is, for several reasons, a very difficult question to answer. Firstly conditions vary so markedly between province and province that it is almost impossible to obtain accurate and comparable figures of wages for different classes of agricultural labour. Secondly there exists a variety of methods adopted for remunerating the workers engaged in different agricultural areas in India. For example, in the Punjab, there are four forms of wages, such as (a) purely cash wages,

(b) cash wages with supplements which may consist of food, tobacco, lodging, bedding, clothing, etc., (c) purely grain wages, and (d) wages other than in cash or grain. In the Punjab the results of the last quinquennial wages survey which was held in December 1927 show that the following were the average daily wages of the three important classes of agricultural labour in rural areas in the Punjab —

Carpenters	16 to 32 annas a day
Masons	16 to 38 annas a day
Unskilled labourers	5½ to 16½ annas day

As regards the last occupation it may be pointed out that the most frequent wage was between 7½ to 8½ annas. The Labour Office of the Government of Bombay published a Report in 1924 of an Enquiry into Wages in Agriculture which give the average daily earnings of three classes of agricultural labour, viz., skilled labour, ordinary labour and field labour in each of the 26 districts of the Bombay Presidency separately for urban areas and rural areas for each of 23 years from 1900 to 1922. The figures for each year from 1923 to 1932 have been published in the Bombay Administration Reports. The wages prevailing in other provinces for similar types of labour do not compare very unfavourably with wages in the Bombay Presidency for any particular year for which a comparison is made. This statement requires an important qualification. It is not meant that the money amounts actually paid are similar. The rates of wages in different provinces vary according to the extent of their industrialisation and money wages in provinces which are mainly agricultural are on a lower

level than the money wages in Provinces which are highly industrialised such as Bombay and Bengal. There is no doubt whatever that wages considerably improved in all parts of India between 1918 and 1925. Taking the Bombay Presidency as a whole the downward tendency in the level of wages which set in 1925 and continued up to the end of 1927 was checked during the year 1928 during which period wages of all classes of agricultural labour, except field labour in urban areas and ordinary labour in rural areas, either remained stationary or showed a definite upward tendency, but there has been a sharp fall in agricultural wage rates during the last three years.

Comparison of conditions in India today with the pre-war year shows that during this particular period the condition of the Indian labourer has undoubtedly improved. This is amply proved by the figures given below showing the index numbers of daily average wages of skilled labourers, ordinary labourers and field labourers for urban areas and for rural areas for the Bombay Presidency.

AGRICULTURAL WAGES (NOMINAL)

Index Numbers for the Bombay Presidency (including Sind) 1913-100

Year	Urban areas			Rural Areas		
	Field Labour	Ordinary Labour	Skilled Labour	Field Labour	Ordinary Labour	Skilled Labour
1922	189	192	195	170	162	179
1923	200	200	196	171	171	187
1924	195	196	209	176	181	191
1925	221	203	224	206	181	211
1926	221	204	216	198	181	215
1927	200	192	211	176	176	206
1928	191	192	212	186	175	210
1929	188	193	206	180	179	213
1930	174	170	198	171	173	205
1931	153	157	185	139	143	172
1932	144	151	180	131	135	165

The Cotton Textile Industry—The most important centres of the cotton textile industry in India are situated in the Bombay Presidency. The main sources of information as regards the wages paid in this industry are the Reports of three Enquiries conducted by the Labour Office of the Government of Bombay, into Wages and Hours of Labour in the Cotton Mill Industry in the Bombay Presidency.

It is claimed that the 1926 Enquiry as compared with the previous two Enquiries, was more satisfactory in its method, more detailed in its scope and more accurate and reliable in its results as the information collected related to

each individual worker and not to groups of workers in each occupation as was the case in the previous Enquiries. The results of this Enquiry give among other things, figures for average daily earnings of all occupations of cotton mill operatives, average monthly earnings for operatives covered in Bombay and Sholapur, the average number of days worked, the number of operatives working full time, i.e., working on all the working days during the Census month, the average earnings of those working full time, frequency of attendance for the mills in Bombay, the percentage absenteeism by departments and details regarding amounts of bonuses secured by the workers.

Occupations	Average Daily Earnings in			Occupations	Average Daily Earnings in		
	Bom- bay July 1926	Ahmed- abad May 1926	Shola- pur July 1926		Bom- bay July 1926	Ahmed- abad May 1926	Shola- pur July 1926
<i>Men</i>	Rs a p	Rs a p	Rs a p	<i>Men</i>	Rs a p	Rs a p	Rs a p
Head Jobbers	3 15 4	3 1 8	2 13 5	Turners	2 13 2	2 6 7	1 8 2
Other Jobbers	2 4 0	1 11 9	1 12 1	Blacksmiths	2 10 6	2 5 3	2 0 0
Mixing Nawghames	1 2 2	0 14 7	0 12 5	Tinsmiths	2 9 2	2 2 0	1 11 2
Drawing Frame Ten- ters	1 4 8	1 1 3	0 12 4	Masons	2 1 0	2 5 4	1 5 6
Slubbing Frame Ten- ters	1 6 3	1 3 0	0 13 3	Moulders	2 12 4	2 2 7	2 3 9
Inter Frame Tenters	1 4 6	1 0 11	0 12 9	Assistant Moulders	2 3 10	1 4 1	0 10 4
Roving Frame Ten- ters	1 3 8	1 0 4	0 11 4	Carpenters	2 7 5	2 9 2	1 10 11
Ring Siders	1 0 3	0 15 2	0 11 5	Fitters	2 15 4	2 10 1	2 6 9
Ring Doffers	0 12 1	0 10 7	0 8 1	Assistant Fitters	1 9 4	1 6 6	1 3 3
Winders	0 14 10	0 13 3	0 7 10	Oilers	1 2 6	1 2 7	0 13 11
Warpers	2 1 9	2 1 7	1 12 8	Mochies	1 2 0	1 9 7	0 12 1
Creelers	0 13 2	0 10 7	0 9 8	Coolies	0 15 11	0 14 1	0 11 3
Front Sizers	3 1 8	1 13 7	1 9 9	Sweepers	0 13 6	0 13 3	0 10 8
Back Sizers	1 9 9	0 15 9	1 0 8	<i>Women</i>			
Two Loom Weavers	1 13 4	1 13 5	1 9 9	Waste pickers	0 8 8	0 8 5	0 4 10
All Weavers	1 13 11	1 14 1	1 5 11	Ring Siders	0 15 2	0 15 1	0 11 0
Front Folders	0 15 9	0 15 9	0 11 10	Ring Doffers	0 11 5	0 10 5	0 7 10
Back Folders	0 15 0	0 15 1	0 11 1	Winders	0 12 10	0 12 7	0 6 4
Springs	2 1 10	1 5 10	1 14 4	Reelers	0 10 11	0 14 5	0 6 9
Engine Drivers	4 3 10	1 11 13	1 11 5	Coolies	0 9 6	0 9 9	0 6 7
Firemen	1 5 4	1 7 11	1 3 9	Sweepers	0 8 8	0 9 2	0 5 9

The available information in connexion with cotton mill workers in other provinces is reproduced below

Occupation	Central Provinces Range of wages per month (in one mill)	Bengal Range of wages per month	Punjab Average wage per month	Madras Average daily earnings
	Rs	Rs	Rs a p	Rs a p
Spinner Piecer	15 to 24	15-12-0 to 28-8-0	27 0 0	0 9 9
Weaver	22 to 50	40	38 0 0	0 15 11
Dyer	15 to 26		23 0 0	
Doffer	14 to 15	16-8-0 to 23		
Frame Tenter	20 to 29	15-4-0 to 23-8-0		
Reelers (women)	10 to 17	12 to 14	22 0 0	
Warper	21 to 38			
Sizer	20 to 39			
Finisher	17 to 32			
Blacksmiths	62 to 92	34 to 43		
Turners	62 to 92	31 to 50		
Carpenters	39 to 62	22		
Fitters	62 to 122	33 to 46		

Jute Industry

The jute industry holds the premier position among the industries in the Bengal Presidency. The following table gives the average monthly wages of some important occupations in a jute mill. The figures are not the exact averages of wages of the total number of employees in the industry. They are averages obtained from the actual payments made in some representative mills.

Department	Designation	Average monthly wages	
		Multiple shift	Single shift
Men			
Looming Machines	Rovers	12 15 0	14 7 0
	Shuttles	12 6 0	14 2 0
Spinning Frames	Warp spinners	1 4 0	16 13 0
	Weft spinners	16 0 0	17 10 0
Winding	Bobbin cleaners	10 0 0	11 0 0
	Warp winders (piece workers)	21 6 0	2 0 0
Weaving	Weft " " (" ")	26 5 0	28 2 0
	Head loom weavers (" ")	28 5 0	1 0 0
Dressing and Beaming	Sacking weavers (piece workers)	20 7 0	22 1 0
	Beamers and dressers	28 5 0	22 0 0
Sack sewing workers	Sewing machine	21 11 0	22 16 0
Engineering Section	Engine Staff	19 0 0	22 8 0
Workshop hands—	Turnmen	28 1 0	0 2 0
	Mason	1 0 0	1 0 0
Machine shop fitting	Carpenters (Chinese)	85 0 0	92 5 0
	Carpenters (Indian)	50 0 0	2 0
Tin Smithy	Turners (Metal)	40 0 0	30 0 0
	Tin Smith	50 0 0	0 0 0
Black smith shop	Black smith	56 0 0	56 0 0
Women			
Batching Softners	Feeders	11 12 0	13 5 0
	Receivers	11 8 0	13 5 0
Teasers Preparing Breaker Carding Machines	Feeders	9 6 0	12 9 0
	Receivers	9 8 0	11 13 0
Finishing Carding Machines	Feeders	9 0 0	11 2 0
	Receivers	10 6 0	11 7 0
Drawing machines	Feeders	9 7 0	11 0 0
	Receivers	10 0 0	11 2 0
Roving machines	Feeders	10 0 0	11 2 0
	Sweepers	10 6 0	11 6 0
Twist Frames Weaving	Twisters	9 6 0	11 2 0
	Sweepers	13 8 0	14 15 0
Sack Sewing	Hand Sewers	12 1 0	12 10 0
		13 5 0	14 11 0

It will be seen from the above table that there is an appreciable monetary advantage to workers in the single shift system.

Wages in Mines

The tables given below show the daily earnings in the month of December for each of the two years 1931 and 1932 for workers in the main occupations in coalfields and the other important mines in British India

Daily earnings of underground workers in important coalfields in British India

I

Coalfields	Over men & Sirdars Foremen & Mates		Miners		Loaders	
	1931	1932	1931	1932	1931	1932
	Rs a p	Rs a p	Rs a p	Rs p a	Rs a p	Rs a p
Jharia (Bihar & Orissa)	1 5 0	1 3 0	0 11 6	0 9 9	0 11 6	0 8 6
Raniganj (Bengal)	1 1 3	1 0 6	0 11 0	0 9 3	0 9 6	0 8 0
Girdih (Bihar & Orissa)	1 8 0	1 7 0	0 12 6	0 9 9	0 10 9	0 7 0
Assam	1 9 3	1 7 0	1 8 3	1 4 9	1 2 6	1 1 6
Punjab	1 0 9	0 14 0	0 12 6	0 12 6	0 11 6	0 14 9
Baluchistan	1 11 3	1 6 9	1 0 0	0 13 3	1 1 6	0 13 0
Pench Valley	1 4 6	1 5 6	0 14 6	0 14 0	0 7 9	0 6 9

II

Coalfields	Skilled Labour		Unskilled Labour		Females	
	1931	1932	1931	1932	1931	1932
	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p
Jharia (Bihar & Orissa)	0 12 0	0 10 9	0 8 6	0 7 9	0 7 6	0 6 6
Raniganj (Bengal)	0 11 6	0 10 9	0 8 3	0 7 6	0 6 6	0 5 9
Girdih (Bihar & Orissa)	0 14 3	0 10 6	0 8 0	0 8 6	0 7 6	0 5 9
Assam	1 2 6	1 2 0	0 15 6	0 15 0		
Punjab	0 10 3	0 12 6	0 8 0	0 7 0		
Baluchistan	1 4 6	0 12 6		1 0 0		
Pench Valley	0 10 0	0 10 6	0 7 6	0 6 9	0 7 3	0 6 9

Daily Earnings of Workers engaged on "Open Workings" in Important Coalfields in British India

I

Coalfields	Over Men and Sirdars Foremen and Mates		Miners		Loaders	
	1931	1932	1931	1932	1931	1932
	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p
Jharia (Bihar & Orissa)	1 0 6	0 14 9	0 12 0	0 8 6	0 9 3	0 7 9
Raniganj (Bengal)	0 15 3	0 12 9	0 7 9	0 6 0	0 5 9	0 5 6
Girdih (Bihar & Orissa)	1 0 0	0 13 6	0 11 0	0 8 0	0 9 0	0 5 0
Assam						
Punjab		0 11 9				
Baluchistan						
Pench Valley	1 0 0		0 10 0		0 10 0	

II

Coalfields	Skilled Labour		Unskilled Labour		Female	
	1931		1932		1931	
	P	p	P	p	P	p
Jharia (Bihar & Orissa)	0 11	0	0 10	0	0 9	0
Ramgarh (Bengal)	0 8	0	0 6	0	0 7	0
Girdih (Bihar & Orissa)					0 6	0
Assam						
Punjab					0 6	0
Baluchistan						
Pench Valley (C. P.)						

Daily Earnings of Labourers working on Surface in important Coalfields in India in 1931

Coalfields	Skilled Labour		Unskilled Labour		Female	
	1931		1932		1931	
	Rs	a p	Rs	a p	Rs	a p
Jharia (Bihar & Orissa)	0 11	0	0 10	0	0 8	0
Ramgarh	0 10	0	0 9	0	0 7	0
Girdih (Bihar & Orissa)	0 13	0	0 11	0	0 7	0
Assam	1 0	0	1 0	0	0 12	0
Punjab	0 11	0	0 11	0	0 11	0
Baluchistan			0 13	0	0 8	0
Pench Valley (C. P.)	0 12	0	0 12	0	0 5	0

Gins and Presses

The male coolies in the gin factories in Madras and the Punjab earn on an average annas 8 per day while the female coolies get only as 5 1 and as 6 respectively. In the Central Provinces the average daily earnings of male and female coolies are as 10 2 and as 5 10 respectively.

The average daily wages of female press coolies in Madras and the Central Provinces amount to annas 5 10 while those of male coolies amount to annas 9 6 and annas 13 10 respectively.

The Plantations—Labour in the tea gardens in Assam is paid on a piece work basis.

In addition to the standard daily task which the worker must execute in order to earn his wages (called *Harira*) the labourer is given an opportunity at certain seasons to supplement his earnings by the performance of a second task the payment for which is known as *acca*. In some cases where it is impracticable to prescribe a definite task as in leaf plucking at the beginning and the end of the season payment is made by time. A distinctive feature of work in the gardens is that the labourer usually brings his family with him and the wife and sometimes the children are also wage earners. The joint earnings of a family must always be taken into consideration. The average family of a labourer

has been calculated as consisting of one working man, one working woman, about three tenths of a working child and non-working child and about two-tenths of an adult non-working dependant. The following table gives the average monthly earnings of the labourers in the tea gardens in Assam

Table showing the average family monthly earnings in the tea gardens in Assam calculated on the average daily strength in 1914, 1922 and 1928

District	1914	1922	1928
	Rs a p	Rs a p	Rs a p
Darrang Sadr	14 14 10	18 15 8	24 13 5
Mangaldai	15 11 5	18 15 4	28 4 2
Nowgong	16 11 9	18 8 10	23 2 7
Jorhat	15 7 7	18 0 11	23 4 4
Sibsagar	15 15 11	20 1 0	24 12 1
Golaghat	14 0 11	17 7 4	22 0 5
Lakhimpur Sadr	18 2 4	21 15 2	30 11 3
North Lakhimpur	15 13 10	20 4 3	24 4 2
Cachar Sadr	13 13 6	15 0 4	19 2 8
Hailu Kandi	13 11 7	15 8 10	19 10 8
North Sylhet	13 0 4	14 2 10	20 11 7
Karimganj	13 7 7	15 14 1	19 12 4
South Sylhet	13 15 0	15 13 8	21 7 11
Habibganj	14 12 1	16 8 9	21 5 6

Periods of Wage Payment—There is a complete absence of uniformity as regards the periods for which payments of wages are made in the various important branches of organised industry in India. In scarcely any industry is there a single period of wage payment. Different systems are found in establishments belonging to the same industry and in the same district and within the same establishment different classes of workers are frequently paid for different periods. The month, the fortnight and the week are generally the periods of wage payment in Cement and Brick Works, Cotton Ginning and Pressing Factories Flour Mills and Engineering Works. Monthly payment of wages is mainly adopted for workers in Printing Presses, Municipalities, Tramways and Railways. In the Cotton Mill industry wages are calculated on a monthly basis in all the mills outside Ahmedabad. In the case of the Ahmedabad mills, wages of piece operatives are calculated on a fortnightly basis and of workers in the maintenance department on a monthly basis.

In mines, tea gardens and rice mills the predominant periods of wage payment are a month and a week. In jute mills wages are calculated per week. Wages are calculated on both the monthly and the fortnightly basis in the Iron and Steel Industry, Sugar Mills and in Tanneries. The system of monthly payment appears to be universal in its application to supervisory and clerical staffs engaged in all different industrial establishments, while the most general system in the case of casual labour is of a daily payment of wages.

Periods elapsing before payment—The "waiting period" or the time which elapses between the end of the period for which wages are earned and the date of payment varies considerably from industry to industry and from establishment to establishment in the same industry. It may be generally stated that the longer the wage period the more delayed is the payment of wages. Monthly wages are not paid so promptly as fortnightly wages, weekly wages are withheld for still shorter periods and daily wages of casual labour are nearly always paid on the day on which they are earned or on the following day. Speaking generally the average period of waiting may be considered to be 10 to 20 days in the case of monthly payments, 5 to 7 days for fortnightly payments, and 2 to 4 days in the case of weekly payments. Another factor which affects the period of waiting is the method of payments. Where workers are paid on piece rates, intricate calculations are required to ascertain the amount due, and consequently piece rate wages cannot be paid so promptly as wages of workers on fixed time rates of pay.

Indebtedness prevails to a very great extent among the labourers, but no reliable figures are available except those for the Bombay Presidency which were collected by the Bombay Labour Office during its enquiries into the workers' family budgets for different centres. From the statistics of the Empress Mills the percentage of labourers indebted appears to be more than 50. Though exact figures for the Punjab are not available it is reported that the volume of indebtedness amongst the agriculturists is greater than anywhere else in India. As regards urban and industrial labourers it may safely be assumed that a greater majority are in debt to their food suppliers. In Madras the indebtedness of the worker is heavy especially in the case of plantations where it is reported that 75 per cent of the wages of the labourers are taken away by money lenders on pay days. The mine managers of the Jharia coalfields in Bihar and Orissa generally put this figure at one week's wages. It is also stated that the extent of indebtedness varies with caste and social custom. In Bombay City, interest on debts forms nearly three per cent of the total monthly expenditure. Of the families considered for the Labour Office enquiry no fewer than 47 per cent were in debt. The extent of the indebtedness of the family in debt is ordinarily the equivalent of two and a half months earnings. The extremes were 14 months and one third of a month's earnings respectively. As regards single men, for whom 603 budgets were collected, 45 per cent were in debt the average expenditure on interest being as 12-3 and the average expenditure on interest for those in debt being

Rs 1-11-2 per month. Enquiries for the Bombay Port Trust workers showed that over 80 per cent of the families considered were found to be in debt. In the majority of cases the amount of debt varied from a month's income to four months income. In Ahmedabad during 1926 about 60 per cent of the families were in debt. The amount of debt varied from a few rupees to many times the monthly income. According to an enquiry made by the Labour Office in the year 1925 into the family budgets of cotton mill workers in Sholapur City, 61 per cent of the cotton mill workers' families in Sholapur were in debt the extent of which varied from less than a month's income to many times the monthly income. In 19 per cent of cases, however, a family's debt was equal to between one and four months of its income.

Bonus and Profit Sharing Schemes—“The successful working of a profit sharing scheme pre-supposes the realisation by the worker of an identity between the various interests engaged in the concern and a conscientious effort on their part to do their best for its maximum success. The employer of labour do not feel that labour conditions in India are such as to justify the hope that this high ideal of co-operation will be realised in a substantial measure in practice. The only solitary concerns in which profit sharing schemes have been tried are the Tata Iron and Steel Company, and the Buckingham and the Carnatic Mills. In 1928 the Tata Iron and Steel Company introduced a scheme under which a monthly bonus based on production is paid to all men drawing less than Rs 300 per mensem or Rs 10 per day, whose work contributes to the production obtained and who have been in the Company's service for at least six months. In the Buckingham and the Carnatic Mills a bonus is paid to the workmen on a basis relative to the dividend declared.

Bonuses are paid for a variety of reasons. Some concerns grant bonus for regular attendances and for economical utilization of material. In some collieries in Bihar and Orissa a worker is paid a sort of bonus for working six days a week. A bonus is also being granted for raising and loading extra tubs. The Tata Iron and Steel Company grant bonuses (1) for general production, (2) for departmental output and (3) regular attendance. This is paid to all employees drawing less than Rs 8 per day. The Company has also introduced a 'Jack pot

scheme. The idea of this scheme is that if 50 men are required to perform certain duties connected with the operation of any unit and the full force is not present, the wages which would have been payable to the absentees are distributed amongst those present.

The system of paying bonus in addition to a cash wage either for better work or for better attendance used to obtain in several industrial concerns in the Bombay Presidency especially in cotton textile mills but except in Ahmedabad where bonuses are paid for better attendance and for better efficiency, the majority of the mills which used to pay such bonuses have either abolished the bonuses with pay or have abolished them altogether. In countries which have no legislation for the control of deductions, which may be made from wages on account of fines, the bonus might be regarded as a voluntary gift paid by the employer to the worker who attends regularly without absence or produces work better than specified standards but in countries where a trade legislation exists, the bonus easily degenerates into a device whereby an employer tries to get round the Act which lays down percentages of wages beyond which deductions on account of fines shall not be made by dividing the wages into part wages and part bonus. In the Ahmedabad textile mills all weavers who produce 80 to 85 per cent efficiency on quantity production are paid a bonus of eight annas per loom per fortnight. In this centre all damaged cloth is handed over to the weavers and its cost at whole sale price is deducted from their wages. In the case of minor defects the weaver are fined. As the total estimated bonus of the deductions made from the Ahmedabad weavers' wages both on account of fines and damaged material handed over amounts to more than Rs 15 lakhs annually, the efficiency bonus is not so profitable to the worker as it would appear to be. The good attendance bonus also operates very harshly in certain cases. In one mill in Western India, workers earning Rs 30 or under a month are paid a bonus of 4 annas a week for a complete week's work and a further bonus of eight annas a month for a complete month's work. If a worker loses a day he loses twelve annas and if the day lost be a Saturday preceding a closed day he loses two thirties of his monthly wages.

Good attendance and efficiency bonuses are not granted in Government, local board and public utility concerns.

WAGES ON RAILWAYS

No information more recent to that for the year 1929 is available regarding wages paid on Indian Railways. In that year every individual system and the Railway Board in the evidence submitted to the on Indian labour give of pay. The following information, therefore relates to the year 1929 but it is understood that all round reductions have been made on almost all railway systems during the last two or three years.

Owing to the different types of grades of pay which are prevalent on the Railways it is not possible to give particulars for all of them. Scales of pay of some important classes of railway servants on some principal railways have therefore been set out in the tables below. The limits of pay given in the tables show the minimum of the lower grade and the maximum attainable in the higher grade.

Name of Railway System	ENGINEERING				Trolley men
	Mates		Gangmen		
	Rs	a	Rs	a	
North-Western Railway	20	0 to 34	13	0 to 22	
East Indian Railway	13	0 to 39	12	0 to 16	
Eastern Bengal Railway	20	0 to 52	13	0 to 18	
G I P Railway	12	6 to 37	9	0 to 26	
B B & C I Railway (Broad-gauge)	14	0 to 37	12	0 to 26	
Bengal Nagpur Railway	15	0 to 34	10	0 to 17	
Rohilkhand and Kumaon Railway	11	0 to 19	9	6 to 15	
M & S M Railway	13	6 to 30	10	6 to 22	
South Indian Railway	14	0 to 25	12	0 to 15	
Assam Bengal Railway	20	0 to 30	14	0 to 16	

* Per day Senior mates only are in the grade of Rs 37-3 52

Name of Railway System	TRAFFIC														
	Station Masters				Guards		Signallers								
	Rs	₹	to	Rs	₹	to	Rs	₹	to	Rs	₹	to			
North Western Railway	45	0	to	500	0	30	0	to	210	0	33	0	to	190	0
East Indian Railway	52	0	to	500	0	30	0	to	180	0	30	0	to	200	0
Eastern Bengal Railway	40	0	to	350	0	45	0	to	210	0	30	0	to	170	0
G I P Railway	50	0	to	395	0	70	0	to	210	0	45	0	to	140	0
B B & C I Railway (Broad gauge)	55	0	to	400	0	50	0	to	210	0	60	0	to	70	0
Bengal Nagpur Railway	52	0	to	500	0	35/40		to	210	0	30	0	to	170	0
Rohilkhand and Kumaon Railway	30	0	to	330	0	20	0	to	150	0	15	0	to	30	0
M & S M Railway	40	0	to	425	0	40	0	to	170	0	25	0	to	110	0
South Indian Railway	30	0	to	325	0	25	0	to	120	0	25	0	to	95	0
Assam Bengal Railway	40	0	to	150	0	40	0	to	200	0	20	0	to	100	0

Name of Railway System	TRAFFIC		MECHANICAL	
	Goods clerks, Booking clerks and Parcel clerks		Ticket Collectors	
	Rs	a	Rs	a
North Western Railway	33	0 to 270	32	0 to 160
East Indian Railway	28	0 to 300	28	0 to 125
Eastern Bengal Railway	34	0 to 145	32	0 to 160
Great Indian Peninsula Railway	40	0 to 100	50	0 to 90
B B & C I Railway (Broad gauge)	15	0 to 180	55	0 to 190
Bengal Nagpur Railway	50	0 to 250	30	0 to 120
Rohilkhand and Kumaon Railway	25	0 to 60	18	0 to 40
M & S M Railway	75	0 to 180	23	0 to 80
South Indian Railway	25	0 to 125	25	0 to 190
Assam Bengal Railway	32	0 to 120	20	0 to 100

* Parcel Clerks only

(2) Goods Clerks only, wages are regulated according to local market rate

(5) Goods and Parcels Clerks

(6) Maximum of the Maximum scale not given

Wages on Railways

522

Name of Railway	MECHANICAL					
	Cabinmen		Drivers		Firemen	
	Rs	Rs	Rs	Rs	Rs	Rs
	15	45	31	220	0 8½	100
	0	0	0	0	to	0
	to	to	to	to	to	to
North Western Railway			31	220	15	100
East India Peninsula Railway			40	200	0	50
Eastern Bengal Railway	65	0(1)	34	220	13	90
Great Indian Peninsula Railway (Broad gauge)			72	310	16	32
B B & C I Railway	11	0	2	8(3)	0	1 12(3)
Rohilkhand and Kumaon Railway			5	11 0(4)	2	8(4)
Benarès Railway			31	46 0(6)	13	35
Assam Bengal Railway			35	200	16	50
Madras Railway	25	0	41	250	21	88
	16	0	75	263	12	22
		25	30	275	14	60

Maximum

Indians per day

Europeans per day

(6) Maximum of the maximum scale not given

Statement showing scales of pay per day of some important skilled labourers in Workshops

Name of Railway System	Fitters		Moulders		Welders	
	Rs	Rs	Rs	Rs	Rs	Rs
	a	a	a	p	p	p
	p	p	p	p	p	p
North Western Railway	0	2	1	2	1	2
East Indian Railway	8	8	0	8	4	8
Eastern Bengal Railway	0	0	0	0	0	0
	to	to	to	to	to	to
	2	2	2	2	2	2
	8	8	8	8	8	8
Great Indian Peninsula Railway*	0	0	0	0	0	0
B B & C I Railway	50	86	44	86	44	89
Bengal Nagpur Railway	0	3	0	3	0	2
Rohilkhand and Kumaon Railway	12	2	1	2	1	2
M & S M Railway	0	1	0	1	0	1
South Indian Railway	15	14	11	5	12	5
Assam Bengal Railway	4	8	4	4	0	4
	to	to	to	to	to	to
	2	2	2	2	2	2
	8	8	8	8	8	8

Name of Railway System	Turners		Carpenters		Blacksmiths	
	Rs	Rs	Rs	Rs	Rs	Rs
	p	p	p	p	p	p
	p	p	p	p	p	p
North Western Railway	1	2	0	2	1	2
East Indian Railway	10	2	10	2	10	2
Eastern Bengal Railway	12	3	12	3	12	3
Great Indian Peninsula Railway*	50	89	39	69	44	93
B B & C I Railway	0	3	0	3	0	3
Bengal Nagpur Railway	7	2	7	2	7	2
Rohilkhand and Kumaon Railway	1	1	1	1	1	1
M & S M Railway	0	4	0	4	0	4
South Indian Railway	14	8	11	2	14	8
Assam Bengal Railway	12	2	12	3	1	3

N B—These rates are exclusive of Overtime and Piece work profits

* The scales of pay for the G I P Railway are per mensem

The following rates may be taken as representatives of daily wages of workshop employees in important centres

Centre	Unskilled		Semi skilled		Ordinary skilled	
	As p	As p	As p	As p	As p	As p
Bombay	11 0	to 16 0	17 0	to 24 0	26 0	to 46 0
Lahore	10 0	,, 12 0	11 0	, 18 0	14 0	,, 40 0
Lillooah	9 0	,, 11 0	10 0	,, 16 0	12 0	,, 10 0
Lucknow	7 6	,, 10 9	10 0	,, 18 0	16 0	,, 36 0

Besides the usual pay the employees of the railways are granted allowances and perquisites for special work, climatic and local conditions, etc

Amount sent to villages—In the absence of a completely urbanised industrial labour force in India, the practice of remitting part of the wages earned by workers in industrial centres to their place of origin appears to be very common. But no authorised or statistical information for a definite period of time is available as regards the amounts sent by workpeople in this manner. If statistics pertaining to this subject were compiled, it would help a good deal in estimating the agrarian content of Indian industrial workers. In the Central Provinces and Berar 80 per cent of immigrants from the United Provinces leave their families behind in their villages to look after cultivation. These labourers are reported to be remitting more than 50 per cent of their income home. The other immigrants in that province from Central India and the Bombay Presidency are said to be sending 25 per cent of their earnings to their homes. Estimates of amounts sent by money order by the various post offices in the jute mill areas in Bengal are annually published in the reports of the Indian Jute Mills Association. The figure for 1928 comes to Rs 1,73,57,816 1 2, but it does not purely represent the amounts sent by Jute mill employees only. Labourers from coal mines in Bengal coming from outside the coal fields are reported to send or take home to their villages from 30 to 40 per cent of their earnings. In the case of the miner in the mining fields of Bihar and Orissa it is roughly estimated that he sends home all his savings which amount to about 8 annas to Rs 1 8 0 per week. Results of a special enquiry made in the case of an important cotton mill at Cawnpore in which wages are paid fortnightly showed that during the particular period of two weeks covered by the enquiry, 3 8 per cent of the wages received by workmen was remitted by money orders through the office attached to that mill. In the course of its family budget investigation,

the Labour Office of the Government of Bombay collected some information regarding remittance of amounts by workers' families. In Bombay City a large number of workers do not maintain an establishment, but live as boarders and though married keep their dependants in their villages. In the case of resident families the average monthly amount remitted comes to Rs 1-11 1 which constitutes 3 2 per cent of the family income which is Rs 52 4 6 per month. In the case of persons living singly in Bombay City, the average monthly remittance comes to Rs 11 7-1 which constitutes 36 2 per cent of their monthly income. The labour force in Ahmedabad is not immigrant to the same extent as in Bombay and therefore remittances to dependants is not an important item in the worker's budget. It appears that nearly 7 per cent of the working class families in Ahmedabad remit money to their dependants living away from them. The average for only those families remitting money comes to Rs 6 6 9 per month. Sholapur draws its labour force from the immediate neighbourhood and the labour there is not of the same cosmopolitan character as in Bombay. Of the total number of families whose budgets were collected during the family budget enquiry at that centre only 6 per cent reported that they had to remit money every month to their dependants in villages. The average of the amount remitted by such families comes to Rs 4 12 7.

Deductions—Deductions from wages on account of fines and for services rendered by an employer to his workmen is a subject which has been engaging the attention of the Government of India since 1926. In that year, the Government of India requested all local governments to make enquiries, in their respective administrations, as to the extent to which fines and other deductions were being realised by employers in India from their workpeople.

The views of the local governments were also invited on the desirability of taking any action, legislative or otherwise to counter any abuses which might be found to prevail. The Labour Office of the Government of Bombay conducted a very comprehensive enquiry into the subject covering all factories, railways, municipalities, transport services, commercial houses, shops, hotels, etc., and the results were published in the form of a special report. As a result of its investigations that Government came to the conclusion that fining was in abuse grave enough to require legislation for its control and recommended accordingly. The subject was again examined in 1928-29 by the Bombay Strike Enquiry Committee (The Fawcett Committee) in connexion with the standardised rules put up by the employers and the demands put up by the workers during the prolonged general strike in the cotton mills in Bombay City in 1928. The Committee recommended *inter alia*, that deductions from wages on account of fines should not exceed two per cent of an operative's earnings during a particular pay period. The Millowners Association Bombay, accepted this recommendation and it is very noteworthy that almost all textile mills in Bombay which are affiliated to the Association have limited their monetary punishments within this limit. There is, however, no control on fining in textile mills in Ahmedabad. In that centre the work of 'cutlooking' or scrutinising manufactured cloth is often entrusted to contractors who often pay a lump sum every year to the mills for this privilege. Commissions varying from six annas to twelve annas in the rupee on all fines inflicted is paid by the mill to the contractor. The system is also closely linked up with that of handing over damaged cloth to the worker concerned and deducting its value at cost or wholesale price from the worker's wages. The cutlooker also receives commissions on the value of the cloth handed over. It is estimated that these deductions in the Ahmedabad cotton mills amount to nearly if not more than fifteen lakhs of rupees every year. The matter is a grave abuse and a scandal which calls for immediate legislative action. The action already taken by the Government of India in implementing the

recommendations of the Royal Commission on Indian Labour on the subject have already been dealt with elsewhere in this section.

The Royal Commission on Indian Labour have made several important recommendations in connexion with the income of industrial workers and the question of their indebtedness. In discussing the possible application to India of the minimum wage Convention adopted at the 1928 session of the International Labour Conference, the Commission are of opinion that the convention, "in referring to trades in which wages are exceptionally low, must be regarded as having in view trades in which wages are low, not by comparison with western or other foreign standards but by comparison with the general trend of wages and wage levels in kindred occupations in the country concerned." If the principle of the minimum wage is to be applied to India, they consider that it would first be necessary to create machinery for fixing minimum rates of wages in those trades in which wages are lowest and where there is no question of collective bargaining. The industries indicated for a careful study of conditions are mica, wool cleaning, shellac, bidi (the indigenous cigarette) manufacturing, carpet weaving and tanneries and those in which there is a strong presumption that the conditions warrant detailed investigation. Full information re wages and conditions should be collected and if the surveys indicate 'Swearing' the trades should be demarcated and the number and the composition of wage Boards should be decided. In the setting up of wage boards important criteria for consideration should be the cost of enforcement, and a policy of gradualness should not be lost sight of. If the investigations appear to warrant minimum wage fixing machinery, the necessary legislation for setting up such machinery should be undertaken. These recommendations are under the consideration of the various Provincial Governments and the Government of Bombay have already initiated a general wage census to be completed in about two years in order to collect all possible information on the subject of wages in all types of industrial concerns in the Bombay Presidency.

COST OF LIVING AND STANDARD OF LIFE.

The publication of a cost of living index with a pre-war base for the working classes in Bombay City was started in the *Labour Gazette* from September 1921 and the scope and method of its compilation are described in the issues of the *Labour Gazette* for September 1921, September 1923 and April

1929. The index number is based on what is known as the aggregate expenditure method and includes in all 24 items representing food, fuel and lighting, clothing and rent. The table below gives the Bombay working class cost of living index numbers month by month from January 1918

Bombay working class cost of living index numbers by months
(July 1914=100)

Month	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
January	134	182	183	169	173	156	159	157	155	156	154	149	147	117	110	109
February	134	176	181	162	165	155	156	157	154	155	148	148	144	113	110	106
March	136	172	177	160	165	154	154	159	155	155	145	149	141	111	111	106
April	144	167	172	160	162	156	150	158	153	153	144	118	140	111	108	101
May	147	168	173	167	163	153	150	156	153	152	117	147	139	110	107	100
June	118	174	181	173	163	152	153	154	155	154	146	147	141	109	107	104
July	149	186	190	177	165	153	157	157	157	156	147	148	133	108	109	103
August	153	179	191	180	164	154	161	152	155	157	146	149	136	108	109	103
September	165	172	192	185	165	154	161	151	155	151	145	149	136	108	109	102
October	175	174	193	183	162	152	161	153	155	151	146	149	131	108	109	100
November	175	173	186	182	160	153	161	153	154	150	147	150	127	108	110	101
December	183	174	181	173	161	157	160	155	156	151	148	150	121	109	110	98
Annual Average	154	175	183	173	161	154	157	155	155	154	147	149	137	110	109	103

The Labour Office conducted in the year 1926 an enquiry into working class budgets in Ahmedabad and the results of this enquiry have been used in the construction of a cost of living index for that centre. The Ahmedabad working class cost of living index number has been compiled on a post-war base and has been

published in the *Labour Gazette* since January 1930. Items representing food, fuel and lighting, clothing, house rent and miscellaneous groups have been included in the index. The following table gives the index numbers from August 1927 to November 1933 —

Ahmedabad working class cost of living index numbers by months
(Average prices from August 1926 to July 1927=100)

Month	1928	1929	1930	1931	1932	1933	Month	1928	1929	1930	1931	1932	1933
January	93	99	93	75	76	73	July	97	98	88	75	75	73
February	92	99	91	74	75	72	August	96	98	87	77	76	73
March	90	99	89	75	75	70	September	96	97	85	75	78	73
April	91	96	89	75	74	70	October	97	98	82	74	79	73
May	91	94	89	75	74	71	November	97	98	81	75	78	73
June	95	96	90	73	75	72	December	99	95	77	77	76	71
							Average	95	97	87	75	76	72

A cost of living index number based on the results of the enquiry into family budgets of cotton mill workers in Sholapur conducted by the Labour Office in 1925 has been published in the *Labour Gazette* since February 1931. *Sholapur working class cost of living index numbers by months* (Average prices from February 1927 to January 1928=100)

Month	1928	1929	1930	1931	1932	1933	Month	1928	1929	1930	1931	1932	1933
January		100	104	76	72	73	August	95	102	89	73	73	70
February	97	99	100	77	75	72	September	95	104	91	73	74	69
March	93	98	96	75	76	69	October	95	102	85	72	71	68
April	92	98	94	72	72	67	November	95	104	82	71	75	68
May	94	100	95	71	72	68	December	97	106	76	71	71	68
June	95	103	95	71	73	70	Yearly Average						
July	95	100	92	71	74	70			101	92	73	73	69

Cost of Living Indexes have during recent years, been compiled for Nagpur and Jabulpore in the Central Provinces (with January 1927 as base) and for four classes of industrial workers in Rangoon in Burma (with 1931=100). The monthly figures of the cost of living Index numbers of these six Indexes during the year 1933 were as follows —

Month	Nagpur	Jabulpore	Rangoon			
			Burmans	Tamils, Telegus and Oriss	Hindu Sikhs	Chittagomins
January	58	58	92	93	91	91
February	59	57	92	93	95	91
March	58	56	91	92	93	90
April	55	52	91	92	92	88
May	59	56	92	93	92	90
June	59	54	93	94	92	91
July	59	55	95	94	92	92
August	58	55	90	92	90	88
September	58	54	90	93	90	89
October	58	54	87	91	89	86
November	59	55	86	90	90	85
December			88	91	91	87
Average for year			91	92	92	89

Standard of Life—Very little information is available regarding the standard of living of the working classes in India. The most satisfactory method of obtaining this information is by means of a family budget enquiry in which information is collected regarding the composition, income and expenditure of the family.

Conclusions to be drawn from type it is always necessary to be guided by what is known as the extensive method, an attempt being made to secure the information from a large number of families so as to minimise the effect of the peculiarities of exceptional cases. The sampling method is often resorted to in conducting extensive family budget enquiries because of the impracticability of collecting data by the census method. It is essential that the sample should be representative in order to yield reliable results.

At the Third International Labour Conference of Labour Statisticians held at Geneva in October 1926, the Committee on family budgets passed a resolution that in order to provide adequate information with regard to actual standards of living, enquiries should be conducted generally at intervals of not more than ten years into the income, expenditure and conditions of living of families representative of large homogeneous sections of the population. It was also decided that for a complete enquiry information should be collected as to the district in which the family resides the composition of the household, the industries and occupations of members of the family, the nature of the housing accommodation and the amount of each important item of family income and expenditure together with quantities of purchases, where practicable. It was agreed, however, that a less detailed investigation omitting the particulars of the family income would be sufficient where the sole object of the enquiry is to provide weights for the calculation of cost of living index numbers.

Family budgets were collected by the Labour Office for 3,076 working class families in Bombay City in 1921-22 and the report based on the

results thereof was published in 1923. A new family budget enquiry in Bombay City was undertaken by the Bombay Labour Office in 1932-33 and the results are in the process of tabulation. It is expected that the report of the enquiry will be published during the summer of 1934. Weights based on the results of this enquiry are to be used in compiling a fresh cost of living index number for Bombay on a new base period. The Labour Office collected 985 budgets of working class families in Ahmedabad in 1926 and 1,133 budgets of cotton mill workers in Sholapur in 1925. The reports based on the results of these enquiries were published in 1928. A small family Budget investigation for cotton mill workers in Bombay City was also conducted by the Labour Office in 1930 but the results of this investigation have not been published so far.

In the United Provinces a number of budget were collected at Cawnpore with the object of compiling a cost of living index number. But the results of the enquiry were not found to be satisfactory and the province has not been compiling any cost of living index number.

The Labour Statistics Bureau, Rangoon, which was established by the Government of Burma in 1926, has made an extensive enquiry into the Standard and cost of living of the working classes in Rangoon and the report based on 4,309 budgets was published in 1928. The results of this enquiry have been separately analysed for Burmese, Telugu, Tamil, Urdu, Hindustani, and Chittagonian workers. Separate index numbers for each of the different classes of workers have also been published at the end of the report. 1,002 budgets for the working class families in Nagpur and 507 budgets for working class families at Jubbulpore were collected between September 1926 and January 1927 for compiling cost of living index numbers for these two centres. The figures for the Nagpur, Jubbulpore and Rangoon Indexes for the year 1933 have been given in the above table.

TRADE UNIONS.

The history of trade unionism in India is a history of recent years. It was not until 1918 that labour had begun definitely to organise itself. Previous to that year very little effort appears to have been made to establish organisations of labour. The earliest association of workers in India was the Amalgamated Society of Railway Servants of India and Burma which had been registered under the Indian Companies Act and its main activities were in connexion with the provision of various benefits to its members such as Legal Defence, Sickness Insurance, Life Assurance, etc. After the Indian Trade Unions Act 1926, came into force this Association registered under it as a Trade Union with the new name of the National Union of Railwaymen of India and Burma. The Bombay Postal Union, founded in 1907, mainly

for the clerical classes employed in the Bombay Post Offices, a Union of workers in the Ahmedabad cotton mills formed in 1917, the Clerks' Union, Bombay, established in April 1918 in order to organise the various classes of clerical labour employed in commercial and other offices in Bombay city, and the Madras Labour Union formed in 1918 for the textile workers in the three mills in the city of Madras, were the main labour organisations in existence at the end of the year 1918. In addition, there existed certain benevolent social institutions such as the Kamgar Hitwardhak Sabha and the Social Service League whose activities were directed towards the betterment of the condition of the working classes. But these Societies were not composed of workers themselves.

improvement in the conditions of life and work of the labouring classes. During the last few years, however, the principles of communism have been disseminated amongst the masses of India by the members of the Workers and Peasants Party which is an agent in India of the Communist International. The Communists took advantage of the economic unrest prevalent in the country early in the year 1928 and usurped the leadership of the working classes within a short period of time and were able to assume control over the executives of the principal textile and railway unions in Bombay, Madras and Bengal. They captivated the minds of the workers by painting the existing conditions as black as possible and contrasting them with a supreme state of wealth and happiness which is promised under the regime of a dictatorship of a workers proletariat. The discontentment amongst the workers over conditions of work was aggravated by the incessant preachings of revolutionary doctrines. The credulity of the Indian labourer has been of great advantage to these emissaries of revolution in creating in him a class hatred against the employers and also in instilling in his mind an abhorrence for the Government established by law in the country. These agitators, occupying positions of vantage, instigated several disastrous strikes in pursuance of purely political ends often with a callous disregard of the subsequent sufferings and losses inflicted on their ignorant and hapless dupes. But during the years 1929 and 1930 the workers began to lose their faith even in these Communist leaders after the failure of the prolonged general strike of the year 1929 in the majority of cotton mills in Bombay City. The sanity and sobriety of moderate leadership have no great attraction for the large majority of the labourers. The moderate leaders have, however, been fighting their battles for leadership with the extremist revolutionaries, and were for a time successful in keeping the latter under control. At the moment of writing, it has become impossible for the moderates and the vowed Communists to work shoulder to shoulder in the labour movement, and a split has occurred between the two, the Unions standing for constitutional progress rallying under the banner of the Moderates whilst those in favour of Communist principles have accepted the leadership of the Red Flag Organisations.

Perhaps the most important factor which retarded the growth in the movement immediately following the successes which met the earlier formations or Strike Committees, which they really were was the definitely hostile attitude of the employers to all combinations of their employees. It was not until the passage of the Indian Trade Unions Act which made it morally obligatory on employers to recognise those Unions of their employees which had registered under the Act, that a change in the angle of vision was noticeable.

Nature of leadership—The Indian Trade Union movement, in its early beginnings, was essentially an economic one, and to regard labour unions as being engineered solely by politicians is the result of their propaganda is to misread the origin of this movement. The Indian workman is predominantly illiterate and has even now few leaders from his own class to whom he can turn for guidance. In consequence, trade unions in India have been led by middle class men, especially professional lawyers and others, who have not perhaps in all cases made a distinction between economic and political considerations. In the words of Mr A R Burnett Hurst, "social workers did not take the initiative" but "allowed the lawyer politician class to capture and control these bodies". Many of the so called leaders of Indian Labour who were drawn from the lawyer politician class often exploited the ignorance and credulity of the labour force for their own material advantage, or for the propagation of their pet political doctrine, in addition to looking after the welfare of the labourers. There were, however, several notable exceptions. Leaders like Mr N M Joshi, Dewan Chaman Lal, the Rev C I Andrews, Mr M K Gandhi, Mr V V Giri, Mr B Shiva Rao, Mr R R Bakhshi, M.L.C., Mr Syed Munawar, M.L.C., and Miss Anasuya Sarabhai endeavoured to create Unions for the benefit of the workers and for the general

Progress of Trade Unions since 1918 —
The trade union movement spread to various industries and occupations in India during the years following the Armistice, but a number of them passed out of existence very soon after they were started. The more stable Unions were of clerks, railway workers, postal employees, seamen and textile workers, in Ahmedabad. The peculiar feature of the trade union movement in India is that it did not in the early stages of its progress make much headway in the more important manufacturing industries and thus constituted a weak point in the movement. Whereas in other countries, the clerical employees organised themselves on the model of the industrial workers long after the latter had well organised themselves in strong Unions, in India the former have come up if not first, at least simultaneously with industrial unions and have established themselves more permanently.

The following figures illustrate the progress of the Trade Union Movement in the Bombay Presidency —

Year	No of Unions	No of Members	Year	No of Unions	No of Members
1922	22	51,472	1928	94	198,072
1923	19	46,037	1929	99	196,748
1924	36	52,227	1930	93	128,393
1925	38	49,318	1931	97	115,657
1926	56	74,875	1932	100	111,526
1927	72	87,340	1933	105	111,469

The distribution of the membership as at 1st September 1933 by classes of industries was as follows —

Class of Industry	No of Unions	Membership	Percentage of membership to total
Textiles	17	40,116	34 74
Railways (including railway workshops)	8	21,909	18 97
Seamen	3	29,138	25 24
Posts and Telegraphs	34	8,136	7 05
Municipal	6	2,495	2 16
Miscellaneous	37	13,675	11 84
Total	105	115,469	100 00

There are in addition two federations of Postal Unions, one of Railway Employees' Unions and a fourth which is a Central Union governing a number of individual Unions of textile workers in Ahmedabad (For the constitution, membership and other particulars regarding these organisations, reference may be made to the issues of the Bombay *Labour Gazette*). The Central Labour Board and the Bombay Trades Council which had been included in the list of Federations in the Bombay Presidency are now defunct.

The Punjab has no heavy concentration of industrial labour and consequently the extent of organisation among both employers and employed is up to the present little. There is, however, a vague striving among the employed towards co operation and combination especially for the purpose of demanding better remuneration and considering the question of resorting to direct action for enforcing their demands on their employers. No Communist influence has been noticeable in the Punjab where industrial disputes have been stated to have occurred as a result of the normal antagonism between employers and employed. The only large employers of labour in the Punjab are the N-W Railway Administration, and four out of the 19 registered Unions are of the employees of the various departments of the N-W Railway and cover, in all, about 13,000 members.

In the United Provinces, the number of Associations of workers is rather small, compared to its industrial importance. There are in all

Councils which, under the Executive, are responsible for co ordinating the work in the about 10 Unions, all of recent growth. Some of the Associations formed during the general upheaval following the War and especially during the days of Non Co operation have since died or become moribund. Organised labour forms a very small proportion of the total Organisation of labour outside Cawnpore is almost non-existent and even in Cawnpore only about 10 per cent of the labour is organised. There has been a growing interest of labour in trade unionism which appears to have the prospect of a rapid development in the future.

The Central Provinces and Bihar have seven registered trade unions. The classes of workers who have been embraced by the Trade movement in this part of Indian are (1) Textile workers, (2) Press employees, (3) Scavengers, (4) Motor drivers, (5) Railway workers, (6) Postal employees and (7) Clerks. Trade unionism is stated to be yet in its infancy in this Province and the Labour Unions appear to have done little to improve the conditions under which their members work.

The trade union movement in Madras received a setback in 1921-22 as a result of the failure of the strike in the Buckingham and Carnatic mills. During the year 1922-23 most of the Unions were dormant and the only Union which showed signs of activity was the M and S M Railway Workshop Employees' Union, Perambur. The trade union activities were revived in 1923-24 and the following Unions became once more active — (1) The Madras Labour Union, (2) The Madras Tramwaymen's

Union, (3) The Corporation Scavengers Union, (4) The S I Railway Employees Union and (5) The Combaitore Labour Union. The Madras Harbour Port Trust Workmen Union was revived in 1925-26. A section of the workmen of the Buckingham and Carnatic mill organised a separate Union in 1925-26 called the Buckingham and Carnatic Mills Employees Union as a rival to the Madras Labour Union which is an old organisation in the same industry. The Cordite Factory Labour Union, Aruvankudus came into prominence during 1926-27. Unions were newly formed for the employees of the Public Works Department workshops and the Government Central Press, Madras while the Doosan Press Employees Union which had remained dormant was revived. The labourers working in the cotton ginning and pressing factories in Tiruppur, Combaitore District, started a Union for their benefit. Most of the Unions included in their programme a demand for separate representation for labour in the Legislative Council. The Oil Workers Union and certain other Unions came into prominence only when there was an impending labour dispute. There were nineteen registered trade Unions in the Madras Presidency at the end of March 1921.

Railways—Labour Unions are or have been operation on ten of the Class I railways on some of which as many as three or more operate at the same time. Most of them are registered trade unions and the majority have secured some measure of recognition from the respective railway administrations. Many railway trade unions came into existence during the period 1918-1921 but several of them were short lived. Those unions which have managed to survive are actively looking after the interests of their members and show signs of improved organisation and usefulness especially in those where union committees are not dominated by communists. A noteworthy feature is that there is an increasing tendency in many railway unions to look for office bearers and leaders from amongst members who are actually engaged in railway work. There can be no doubt that within the last few years the appointment or establishment and employment officers and special attention to welfare of railway labour have been due largely to trade union propaganda.

All-India Labour Association—The following is a list of such All-India Federations or Trade Unions or All India associations of workers for which some information is available.

The All India Railwaymen's Federation—Though not a registered body under the Indian Trade Unions Act this Federation has been taking an active part in collective bargaining with railway authorities. Having affiliated to it about twelve unions or men working on all but two of Class I railways and with a membership of nearly 1,00,000 it has been able to exercise considerable influence with the Railway Board and arrangements have been made for half-yearly conferences with the Board for the discussion of matters affecting wages and conditions of service of railway employees as a whole. The federation is taking continuous interest in bringing railway employees closer together and securing greater unity in the trade union movement in the

country. At the last annual convention held in February 1933 and again at a special convention held in November 1933 the Federation devoted special attention to the question of reinstatement of retrenched staff wage-cuts, the proposed statutory Railway Board etc.

The National Union of Railwaymen of India, Burma and Bombay—This Union was started by the Amalgamated Society of Railway Servants of India and Burma which came into existence as a sequel to the Great Indian Peninsula Railway Guards' strike in 1897. It was at first registered under the Indian Companies Act, but after the Indian Trade Unions Act came into being it altered its name, redrafted its constitution and registered as a Trade Union. It has a membership of about 2,700. It provides for its members various voluntary and other benefits such as death sickness unemployment and life insurance benefits. It is the only trade union in Bombay which maintains a political fund.

The All-India and Burmah Covenanted Non-Gazetted Railway Services Association—This Association, whose membership is limited to covenanted Europeans employed as foremen in railway workshops in India, was started in October 1926 with the object of securing for its members the benefits of the Lee Commission's recommendations. It submitted a memorial to the Viceroy on this question in November 1926. It has a membership of about 300 employees scattered all over India and it originally had its Head Office in Bombay. The Association registered with the Registrar of Trade Unions, Bombay Presidency, in March 1928, but transferred its Head Office to Punjab in 1929 and again to Madras during the year 1932-33.

The All-India Trade Union Congress—This organisation was inaugurated in 1920 for two main purposes: (1) to co-ordinate the activities of the individual Labour Unions in India which till then remained inchoate and were unable to take concerted action and (2) to recommend workers' delegates to the International Labour Conferences. When the Government of India had to select a Labour representative to attend the Washington Conference in 1919 there was no representative body of labour in India to be consulted and they therefore appointed Mr N. M. Joshi as the Workers' Delegate. In order therefore that responsible Labour opinion in India might have a voice in the selection of the delegates to the International Labour Conferences, the All India Trade Union Congress was organised and the first session of the Congress was held in Bombay on the 31st October 1920. Eight hundred delegates from different parts of India were present and sixty Unions were affiliated and 42 others expressed their sympathy with the Congress. It became a central organisation of the trade union movement in India but from the beginning it had a strong political colour. Its presidents and secretaries have all been politicians first and labour leaders next, with the exception of a few persons like Mr N. M. Joshi. The Congress appointed itself a permanent body to meet once a year. It has a definite constitution, an elected Executive to carry on its work, and Provincial

respective provinces. The main object of the Congress is 'to co ordinate the activities of all the labour organisations in all the provinces in India and generally to further the interests of Indian labour in matters economic, social and political. It may also co operate and federate with organisations of labour having similar objects in any part of the world'.

The Executive Council of the Congress consists of a Chairman, the Vice Chairman or Vice Chairmen, the Treasurer, the General Secretary or General Secretaries, the Secretary or Secretaries and the Assistant Secretary or Assistant Secretaries as ex officio members and not more than ten additional members including the ex-Presidents of the All India Trade Union Congress, elected at the annual session of the Congress and the representatives elected by the affiliated unions on the following basis —

- 1 Representative for unions with a membership upto 1,000,
- 2 Representatives for unions with a membership between 1,000 and 3,000
- 3 Representatives for unions with a membership between 1,000 and 3,000
- 4 Representatives for unions with a membership above 3,000

The individual Unions affiliated to the Congress are conceded full autonomy with regard to the management of their own affairs according to their rules.

The second Session of the Congress was held in 1921 at Jharia under the Presidentship of Mr Joseph Baptista. The third Session was held at Lahore in 1923 with Mr C R Das as President. The fourth Session held at Calcutta in 1924 was also presided over by Mr C R Das. Out of the 43 resolutions passed at this Session some dealt with the recruitment of Seamen and their eligibility for securing compensation under the Workmen's Compensation Act. The fifth Session was held in Bombay in 1925 with Mr Dhundiraj R Thengdi of Nagpur in the chair. Mr V V Giri of Berhampur was the President of the sixth Session held in Madras in 1926. Delhi was the centre where the seventh Conference of the Congress was held in 1927 and the President was Rai Sahab Chandrika Prasad Dwarkan Chamrao Lall, M L A, was the President of the Calcutta Session of the Congress held in 1927. The ninth Session was held in 1928 at Jharia with Mr M Daud in the chair. It is significant that at this Conference Pandit Jawaharlal Nehru moved a resolution protesting against imperialism.

The tenth assembly of the Trade Union Congress which met at Nagpur in 1929 under the presidentship of Pandit Jawaharlal Nehru will remain as the most important landmark in the history of organised labour in India. It marked the culmination of a long period of mischievous activity inspired by Moscow and fomented by Communist Agents in India resulting in a split between the genuine trade union

leadership on the one hand and the votaries of communism on the other. The fundamental issue upon which the split in the Trade Union movement occurred was whether the labour movement in India shall be inspired and conducted for the betterment of the industrial workers or whether it shall be utilised as a means to promote and bring about revolution in the country. The proceedings at the Session made it impossible for the rival forces to carry on any longer under a common organisation. The reasons contributing to the ultimate split were as follows — The Bombay Girm Kamgar Union and the G I P Railwaymen's Union applied for affiliation, the former with a membership figure of 54,000 and the latter 45,000. The Bombay Girm Kamgar Union could produce no audited documents as required. However it was admitted a member on the basis of a membership of 40,000. The G I P Railwaymen's Union was affiliated on a strength of 30,000 members. This meant that a large part of the voting power was vested in the representatives of these two Unions which were of communist persuasion. The Executive of the Congress was also captured by the revolutionaries, and resolutions for the boycott of the Royal Commission on India Labour, affiliation of the Congress to the League against Imperialism, the appointment of the Workers' Welfare League, a Communist organisation in England as Agents of the Congress for Great Britain and the boycott of the International Labour Conference at Geneva were passed both by the Executive Committee and the open session of the Congress. The moderate leaders of labour, including Messrs N M Joshi, V V Giri, B Shiva Rao, R R Bakhare and Dwarkan Chamrao Lall seceded from the Congress and set up a separate federation under the name of the 'All-India Trades Union Federation' in order to co ordinate the activities of non communist Trade Unions in India. Endeavours made to draw the seceders back into the fold of the All-India Trade Union Congress have not met with any success. The Labour Unions in Ahmedabad which draw their inspiration mainly from Mr M K Gandhi and are the best organised and most successful trade unions in India have not during the fifteen years of the Trade Union movement in India shown any desire to become affiliated to the Congress.

The eleventh Session of the Trade Union Congress, held in Calcutta in July 1931, led to further disintegration in the ranks of labour and once again the Communists from Bombay were responsible. The Girm Kamgar Union had split into two parts, both bitterly opposed to each other. One led by Mr S V Deshpande, General Secretary of the Trade Union Congress and the other by Mr G H Kandalkar, President of the G K U and a Vice President of the Congress and both groups claimed to be the Girm Kamgar Union and therefore entitled to vote at the Congress. The President, Mr S C Bose, a Congress politician, decided in favour of Mr Kandalkar whereupon Mr Deshpande and the representatives of a few other unions broke away from the Congress with the result that this organisation which should guide and control the Trade Union movement in India is a useless and effete body with no influence and a trifling membership.

The twelfth Session of the Congress was held at Madras on 10th and 11th September 1932 under the presidentship of Mr. J. N. Maitra. The report of the General Secretary stated that twelve new Unions from Madras affiliated themselves to the Congress and that the membership of the Congress covered Unions with more than a lakh of organised workers. The Conference adopted resolutions demanding the immediate and unconditional release of all the political prisoners including the Merut undertrials, condemning leaders like Messrs. Jinnah and M. Mehta, V. V. Giri and N. M. Joshi for postponing a general strike on railways and adopting the platform of unity formulated by the Bombay Girm Kamgar Union which included class struggle as one of its main planks.

The thirteenth Session opened at Cawnpore on 23rd December 1933. Mr. G. I. Khandekar of the Bombay Girm Kamgar Union presided. The president declared that the Trade Union Congress would participate in the political movement only on condition that key industries like Railways and Banks were nationalised and their control transferred to councils of workers. There was a free fight between the votaries of the Indian National Congress which is a purely political body, and labour leaders and a pandemonium resulted. Several resolutions were passed at this session one of which authorised the Bombay Girm Kamgar Union to take steps to organise an All India Textile Workers' Conference in Bombay to consider the question of wage cuts in the textile industry and concert measures to defend the cause of the workers. Pandit Hariharanath Shastri of Cawnpore was elected President for 1934.

The National Trades Union Federation—The Indian Trades Union Federation which was formed in 1929 by moderate leaders of labour like Mr. N. M. Joshi and others after the split in the Nagpur session of the All India Trade Union Congress, held its first annual session at Madras on July 16 and 17, 1932 with Mr. V. V. Giri as President. The Federation claimed the allegiance of 40 unions in various parts of the country including Native States and a total membership of 78,000. The Conference adopted the provisional constitution of the Federation framed by the Committee of management and also considered the question of trade union unity.

Almost from the time of the unfortunate split which occurred at Nagpur in 1929, the necessity of bringing about trade union unity has been felt in almost every quarter. Efforts have been made since 1930 to bring the different groups together informally and to try to find a reasonable basis of agreement. Some Bombay unions formed a platform of unity the main planks of which were (1) that the Trade Union is an organ of class struggle involving purely direct action, (2) that the Trade Union Congress should not be affiliated to the International Federation of Trade Unions, Amsterdam, and (3) that delegates should not be sent to the International Labour Conferences. In these efforts the railway unions which had remained aloof from the two rival national organisations took very great interest and the All India

Railwaymen's Federation convened in Bombay a representative conference in May 1931 when a committee was appointed for the purpose of considering and reporting upon the best methods of bringing about unity in the ranks of Indian labour. The platform of unity referred to was particularly examined by this committee whose suggestions for amendments were not approved by the extremist labour leaders belonging to the All India Trade Union Congress. The All India Trade Union Federation at its first session held in Madras however welcomed the efforts made by the Trade Union Unity Conference held under the auspices of the All India Railwaymen's Federation and authorised its working committee to co-operate with other unions in facilitating the reconciliation of differing points of view. A special session of the All India Trades Union Federation was held at Calcutta in April 1933 for the purpose of considering the question of Trade Union unity amongst other subjects and a resolution was passed authorising the General Council to negotiate with the Provisional Committee of the National Federation of Labour (a new national trade union organisation formed by certain leaders of labour) on the question of trade union unity with a view to bring about amalgamation between the two organisations on a fair and equitable basis. As a result of these negotiations the National Trades Union Federation came into existence on and from 10th May 1933 in place of the All India Trades Union Federation and the National Federation of Labour.

The main objects of this Federation are (a) to establish a socialist State in India, (b) to socialise and nationalise the means of production, distribution and exchange as far as possible, (c) to ameliorate the economic and social conditions of the working classes and (d) to support and actively participate in the struggle for India's political freedom from the point of view of the working classes by all legitimate, peaceful and democratic methods such as legislation, negotiation, propaganda, etc., and, in the last resort, by strikes and similar other methods. Each affiliated union has to pay to the Federation an annual fee of Rs. 20 for 2,000 members and below, Rs. 10 for every additional 1,000 members or less upto 10,000 and Rs. 5 for every additional 1,000 members or less above 10,000.

The first session of the National Trades Union Federation was held in Bombay on the 24th to 26th Dec 1933 with Mr. Minnal Kanti Bose, the President of the Federation, in the chair. The number of unions affiliated to the Federation was reported at 50 and the total membership of individual members at 1,37,000. It was resolved to organise an All India Textile Labour Federation to assist the employers' attacks on the workers in the textile industry, and to provisionally affiliate the National Trades Union Federation with the International Federation of Trade Unions for a period of two years in the first instance.

There was a split in the Federation at its first session held in Bombay. The representatives of several Bengal Unions walked out of the conference on the 26th December 1933 in

consequence of differences of opinion between them and Mr N M Joshi and held a meeting on the same day under the presidency of Mr Abdul Gham and resolved to form an All-India federation of labour with the name and style of the *All-India Trades Union Federation* with headquarters at Calcutta. Mr M Daud, M A, Bir at-Law, was elected President. It was proposed to draft a constitution and place it for adoption before the next session to be convened at an early date. Six unions, all situated in Bengal, with a total membership of 15,000 promised affiliation to the new body.

There are, in addition, the following All India Associations in existence —

(1) The All-India Postal and R M S Association, (2) The All India Postmen's and Lower Grade Staff Union, (3) The All India Telegraph Union, (4) The All India Post and Telegraph Administrative Offices Staff Association, (5) The All-India Government Employees Federation, (6) The All India Currency Association, (7) The Central Body Military Accounts Association and (8) The National Federation of Textile Labour in India.

Trade Union Legislation

In 1920 a Company owning a mill whose workers were on strike brought a suit against the leader of the local labour union which was conducting the strike and others, seeking to restrain them from inducing the plaintiffs workmen to break their contracts, and suing for damages for their actions in this respect. The Madras High Court to whom the suit was referred gave their decision granting an *interim* injunction restraining the defendants from inciting the plaintiffs' employees to continue the strike. The case was eventually withdrawn but the proceedings suggested that, in the absence of legislation, even legitimate trade union activity was attended by considerable peril. As a result of a resolution moved by Mr N M Joshi and accepted by the Legislative Assembly in March 1921, Government were committed to take steps as soon as practicable to introduce such legislation as might be necessary for the registration and protection of Trade Unions. The Government of India, accordingly, formulated certain tentative proposals and circulated them for eliciting public opinion. The opinions expressed were by no means unanimous,—some considered the proposed legislation premature, while some others realised that legislation was necessary but at the same time considered Trade Unions as a pernicious and dangerous growth which should be rigidly controlled, and others again urged that sufficient protection should be granted to them. In August 1924, the Government of India circulated a draft Bill for opinion. The Bill conferred certain privileges only on registered Trade Unions and left the question of registration at the option of Trade Unions themselves. Provision was also made to ensure that the funds of a registered Trade Union are not expended on causes in which the bulk of the members have little interest. A regular audit of the funds was proposed to be made compulsory and the manner in which the executive should be composed was also provided for.

A number of amendments were made by the Select Committee and in the Legislative Assembly. A clause permitting registered Trade Unions to maintain funds for political purposes was added. The provision was on the model of the British Law on the subject and those members who contracted out of the liability to subscribe were not to be compelled to contribute to the Political Fund nor did failure to contribute involve any disability or disadvantage except in so far as the control and management of the Political Fund was concerned. The Bill was passed on the 8th February and received the assent of the Governor-General on the 25th March 1926. The Indian Trade Unions Act came into effect from the 1st June 1927.

Mr N M Joshi introduced in the Legislative Assembly on the 9th February, 1928, a Bill to amend Section 43 of the Indian Penal Code in order to extend to the officers and members of unregistered Trade Unions the protection afforded by Section 17 of the Indian Trade Unions Act, 1926, which lays down that no officer or member of a registered Trade Union shall be liable to punishment under sub section (2) of section 120B of the Indian Penal Code, in respect of any agreement made between the members for the purposes of furthering any such object of the Trade Union as is specified in Section 15, unless the agreement is an agreement to commit an offence. The Assembly, however, threw out the Bill.

A Bill was introduced in the Legislative Assembly on the 4th September 1928 with a view to amending Section 11 of the Indian Trade Unions Act, 1926. It was pointed out in the Statement of Objects and Reasons that the existing section 11 of the Act admitted of doubt in two respects namely (1) It did not indicate clearly whether the first appeal lay to the judge appointed for the area within which the Registrar's office is situated or to the judge appointed for the area within which the head office of the trade union is situated. The amendment was intended to make it clear that the latter is the competent court, (2) It did not indicate clearly what judge might be appointed to hear appeals in the Presidency towns and in Rangoon. The amendment was designed to make it clear that in such areas the appeal lies to the High Court and there is no second appeal. The opportunity was also taken to define clearly the powers of the High Court in second appeals. The Bill was passed and received the assent of the Governor General on 25th September 1928.

Working of the Act—The Act has now been in operation for nearly seven years. All-India Statistics on the working of the Act for the year ending 31st March 1932 published in July 1933 show that there were 131 registered trade unions in the British Provinces in the whole of India during the year ending March 1932 as compared with 119 registered unions during the year ending 31st March 1931. The distribution of the registered Trade unions together with the figures for total membership

for all unions which submitted returns is as follows —

Provinces	Total No of Unions registered	Total membership of registered Unions
Ajmer Merwara	2	4
Bengal	28	81,720
Bihar and Orissa	9	1,378
Bombay	52	68,006
Burma	1	56
Central Provinces	10	6,788
Delhi	4	1,182
Madras	23	42,402
Panjab	22	21,627
United Provinces	6	9,890
Total	131	2,00,693*

*These figures are for the Unions which submitted returns of membership. Ten Unions did not submit their returns in time for their membership figures to be included.

Only a few associations of employers have yet applied for registration. No Trade Union was registered in the provinces of Assam, Baluchistan and Coorg up to the end of March 1932. The great inducement to register has been the predisposition of employers generally to recognise Unions that are registered. In the case of Associations of Government Servants, one of the conditions of their recognition by Government was that they should get themselves registered when the Trade Unions Act was brought into force. In view of the fact, however, that certain difficulties have arisen in connexion with the application of the Act to Government servants, the question is under the consideration of the Government of India who have not yet formulated any definite conclusions. Pending the consideration of this question, Government have relaxed the provision contained in the existing rules for the recognition of Associations of Government servants which requires them to register under the Act.

A few Associations of Government employees have pressed for their registration under the Act and such of them as had complied with

the requirements of the Act were duly registered in the Bombay Presidency and in certain other provinces also.

The registration of Trade Unions is not compulsory and although there is an increasing resort to registration there are still a large number of Unions which apparently regard the benefits of registration as an insubstantial return for the obligations imposed on registered Trade Unions by the Act. Some progress as a whole, was, however, visible in the trade union movement in India. Not only has the membership of the Union increased but their financial position is also satisfactory. Organisation among women workers in India continues to be slow. The figures for female membership of registered Trade Unions in successive years were as follows —

Year	Membership
1927-28	1,166
1928-29	812
1929-30	1,209
1930-31	1,151
1931-32	1,151

The figure for 1931-32 represents 1.5 per cent of the total membership of registered trade Unions.

Royal Commission's Recommendations — With regard to Trade Unions the Labour Commission recommended that every employers' organisation should set up a special committee for the purpose of giving continuous consideration to the improvement of the well being and efficiency of the workers in establishments controlled by its members, and that recognition of a Union should mean that the Union has the right to negotiate with the employer in respect of matters affecting either the common or individual interest of its members. The fact that a Union exists only of a minority of employees or the existence of rival Unions are not sufficient grounds for refusing recognition. With regard to the internal administration of Trade Unions the Commission recommended that Union leaders should endeavour to give as many members as possible some share in the work of the Union and that Trade Union organisers should endeavour to find suitable men within the Union to act as officials and should train them for the position.

With regard to the Trade Unions Act the Commission recommended that it should be re-examined during the year 1934 and that all limitations imposed on the activities of registered Unions and their officers should be reconsidered so as to ensure that the conditions attached to registration are not such as to prevent any well conducted *bona fide* Union from applying for registration. Section 22 of the Act should be amended so as to provide that ordinarily not less than two thirds of the officers of a registered Trade Union shall be actually employed or engaged in an industry with which the Union is concerned.

INDUSTRIAL DISPUTES.

The weapon of the "strike" in industry first came into prominence in India during the period immediately following the close of the War when the majority of the strikes as shown in the introductory Section were designed to secure increases in wages commensurate with the rise in the cost of living. The epidemic of industrial strikes which characterised the period 1919-20 reached a climax in the winter of 1921. During this period strikes took place purely from economic causes and most of them ended successfully from the view point of the workers, after a short struggle. After this period, however,

they tended to be more prolonged and less successful and, partly owing to political causes, there were a number of fairly serious disputes in public utility services. In more recent years the machinations of the Communists have been increasingly responsible for the calling of general strikes and their undue prolongation.

Extent of Disputes—All-India statistics of industrial disputes for each quarter and for each year have been compiled and published since 1920 by the Government of India in the Department of Industries and Labour.

The following tables show the number of disputes which occurred during the eight years 1925-33 in each province and in each class of industry respectively —

Provinces	No. of disputes in								
	1925	1926	1927	1928	1929	1930	1931	1932	1933
Bengal	43	57	34*	60	35	34	47	27	29
Bombay	69	57	54	111	70	75	53	53	82
Madras	4	2	19*	7	12	11	15	14	6†
Central Provinces & Berar	6	4	2	1	2	1	7	8	8
United Provinces	6	3	3	2	4	2	11	2	5
Bihar & Orissa	2	3	4*	8	2	4	1	1	
Burma	3	1	3	7	4	3	10	4	5
Punjab	1			2			7	3	
Assam		1	12	5	9	16	15	7	10
Ajmer Merwara									2
Total	134	128	129	203	141†	148	166	119†	146‡

* One strike extended to three provinces

† Includes 3 disputes in Delhi

‡ One strike extended to two provinces

Industries	No. of disputes in								
	1925	1926	1927	1928	1929	1930	1931	1932	1933
Cotton and woollen mills	69	57	60	110	78	68	75	54	87
Textile Mills	15	33	11	19	13	13	22	13	11
Engineering Workshops	7	4	6	11	7	10	5	3	1
Railways including Rail- way Workshops	6	3	3	9	4	9	8	6	3
Others	37	31	49	54	39	48	56	42	44
Total	134	128	129	203	141	148	166	118	146

The peak in respect of the number of industrial disputes (203) was reached in the year 1928. More than 50 per cent. of these disputes occurred in the Bombay Presidency while only about 30 per cent. occurred in Bengal. In none of the other provinces was there an average of at least one dispute per month during that year. The industry which was hit hardest was the cotton and woollen mill industry in which no less than 110 disputes took place during the year.

In 1933, 164,938 work people were involved in the 146 disputes and 2,168,961 working days were lost.

CONCILIATION AND ARBITRATION MACHINERY

Prior to the passing of the Trade Disputes Act as an All India measure early in the year 1920, there was, with the exception of a conciliation panel in Bengal, which will be dealt with lower down, no official machinery for conciliation and arbitration in industrial disputes in India. The Employers and Workmen's (Disputes) Act which was passed in 1860 to make provision for the speedy termination of certain disputes between workmen engaged in railway and other public works and their employers and which was extended, in case of the Bombay Presidency, to the districts of Ahmednagar, Broach, Ahmedabad, Kaira, Poona, Sholapur, Surat and Thana in 1860 and 1861 and to Sind in 1873 dealt with individuals and did not provide any machinery for the settlement of disputes in other trades or industries. No records are available to show the extent to which this Act was made use of in India. The Act was repealed in March 1932. The only provinces in which *ad hoc* committees have been appointed during the past fifteen years either to enquire into the question of providing machinery for the settlement of disputes or to deal with specific strikes are the Bengal and the Bombay Presidencies.

Bombay Presidency—The first Committee to be appointed in the Bombay Presidency was the Industrial Disputes Committee appointed on the 18th November 1921 with Sir Stanley Reed as Chairman to consider and report on the practicability or otherwise of creating machinery for the prevention and early settlement of industrial disputes. This Committee made several recommendations with regard to the standardization of wages, trade unions, the attitude employers should adopt towards Unions of their workers and the recognition of Unions, Works Committees, Welfare Work, Co-operative Societies, Housing of Labour, etc. Their recommendations were in the nature of measures that might contribute to the prevention of industrial disputes. With regard to the methods of settlement when such disputes either develop irreconcilable differences between capital and labour or else become a menace to the community, the Committee recommended the formation of an Industrial Court of Enquiry to be followed, if necessary, by an Industrial Court of Conciliation.

In pursuance of the recommendations made by the Industrial Disputes Committee, the Government of Bombay published a Bill to provide for enquiry into and settlement of trade disputes in the *Bombay Government Gazette* in May 1924. It was intended to introduce this Bill in the Bombay Legislative Council at the Poona session in July of the same year, but, in the meanwhile the Government of India asked the Local Government not to proceed with this measure because they themselves intended to introduce similar legislation for the whole of India. This, however, was not the first occasion on which the Government of India considered the question of the advisability of introducing legislation to provide for the settlement of disputes. In 1920 they circulated all Local

Governments asking their opinions as to the advisability of providing legislation on the lines of the Industrial Courts Act 1919. The opinions obtained by provincial Governments were almost unanimous that labour was not properly organised and that therefore no useful purpose would be served by such legislation. The majority of the provincial Governments adopted the same view.

Bonus Dispute Enquiry Committee—The next Committee to be appointed by the Government of Bombay was the Committee of Enquiry with Sir Norman Macleod, as Chairman to enquire into the general strike of the Bombay cotton mill workers of the year 1924 in connexion with the non payment of an annual bonus for the year 1923 by the Bombay mills.

The findings of the Committee were —

- (1) That the mill workers had not established any enforceable claim, customary, legal or equitable, to the annual payment of a bonus, and
- (2) that the results of the working of the mill industry as a whole for the year 1923 were such as to justify the contention of the millowners that the profits did not admit of the payment of a bonus.

Bombay Strike Enquiry Committee—The third *ad hoc* Committee to be appointed in the Bombay Presidency was the Bombay Strike Enquiry Committee under the Chairmanship of Sir Charles Fawcett, Judge of the Bombay High Court, in connection with the general strike of the cotton mill workers in Bombay city of the year 1928 in pursuance of the agreement arrived at between the Bombay Millowners Association and the Joint Strike Committee at a conference held under the Chairmanship of the Hon. Sir Ghulam Hussain Hidayatullah, General Member of the Government of Bombay, on the 4th October 1928.

This Committee sat for a continuous period of five and a half months and its Report was published on the 26th March 1929.

Some of the conclusions and recommendations of the Bombay Strike Enquiry Committee were as follows —

- (1) The proposals of the Millowners Association (a) for standardization of wages duties and numbers of operatives in a mill and (b) for Standing Orders for the operatives about the conditions of their employment were in the main fair and reasonable.
- (2) While there was justification for the Association's proposal to make a cut of 7½ per cent in weavers' wages, there were reasonable objections to be urged against its adoption in the present circumstances and it was recommended that it should be dropped by the Association provided the Labour leaders undertook to co-operate in working the scheme for the standardization of wages.

- (3) That part of the standardization scheme which is called the 'Rational' or 'Efficiency' system and which aims at reducing the number of operatives employed in mills while raising their wages and providing conditions favourable for the extra efficiency expected from the operatives was fair and reasonable
- (4) With regard to the Seventeen Demands submitted by the Joint Strike Committee some of the demands which were considered to be fair and reasonable were—
 - (a) That the Millowners shall not vary any of the present conditions to the disadvantage of the workers before securing the approval of the workers through their organisations
 - (b) That the Millowners' Association shall not permit its individual members to vary the conditions of service to the disadvantage of the workers without the sanction of the Association
 - (c) The rates of new varieties shall be fixed by the Millowners' Association in consultation with the representatives of the Workers' organisations
 - (d) Notices in vernacular showing the rates of piece work in detail should be posted in the Departments for the information of the workers
 - (e) That there should be no victimisation of men who had taken part in the strike or any Union activities

Most of the above were eventually conceded by the Millowners' Association
- (5) The following demands were held to be unfair and unreasonable—
 - (a) The wages of those workers whose average monthly wage is less than Rs 30 should be raised substantially
 - (b) The newly introduced system of compelling the workmen (1) to take out and present tickets of attendance and (2) to clean machinery daily should be discontinued
- (6) The recommendations of the Committee for alleviating unemployment consequent on the introduction of efficiency methods of work were as follows —
 - (a) The millowners should set up some machinery for taking note of all cases where workers are discharged on account of reduction of staff, and help them as far as possible to get suitable employment either in some other mill or in some other industry
 - (b) The Millowners' Association should consider the advisability of a scheme for the payment of a gratuity to a worker, which may amount to say, four weeks or six weeks' wages according to his length of service

payable in suitable cases to discharged employees who may need help during the waiting period while they are seeking employment. The formation of an Out-of-Work Donation Fund on a voluntary basis to be created by a system of setting aside a contribution by the Millowners of one anna per operative per month to which fund the operatives through their representatives should be invited to contribute one anna or at least half an anna per head per month was suggested

- (7) The Trade Unions should combine to arrange for the assistance of an expert technical adviser in dealing with disputes arising under the Standardisation Scheme
- (8) In view of the fact that several matters required adjustment in connexion with the scheme for wage standardisation after it had been brought into operation and with a view to avoiding strikes and lockouts, machinery was provided by 'Mediation Rules' agreed to by both sides for setting up joint Committees to enquire into disputes arising under the scheme and to endeavour to arrange for their settlement

Owing to the undue prolongation of the general strike in the Bombay Cotton Mills of the year 1929 and the consequent disruption of labour, it was not possible for the Bombay Millowners' Association to bring into operation the Mediation Rules recommended by the Bombay Strike Inquiry Committee for the simple reason that there are no recognised Unions representatives of Bombay Cotton Mill workers in the City. The Bombay Textile Labour Union, of which Mr N M Joshi, M L A, is the President has barely 400 members. The recognition accorded by the Bombay Millowners' Association to the Bombay Gurni Kamgar Union which claimed a membership of over fifty thousand after its registration in May 1928 was withdrawn by the Association on the publication of the reports of the Court of Inquiry appointed under the Trade Disputes Act to inquire into questions connected with the general strike of the year 1929 and the Riots Inquiry Committee. The Association has been giving anxious consideration to the practical steps which might be taken by mills to bring about better relations between employers and their workmen and for the prevention of accumulation of grievances. In a circular letter dated the 8th January 1930 addressed by the Association to all the mills affiliated to it, they issued instructions that all mills should take immediate steps whereby complaints and grievances of the workers may be attended to by the management concerned at once. For this purpose complaint boxes were to be placed in the compounds of all mills in which workers are invited to put in petitions regarding their grievances or suggestions for improvement of conditions of work. The mills have been requested to give sympathetic consideration to any complaints or suggestions made and to redress or give effect to them wherever possible. Further measures calculated

to improve the relations between the employers and the employed are under consideration. The Association have also devised measures for joint discussions between managers of mills and the Association on general questions relating to the internal administration of the mills.

The next Committee to be appointed in the Bombay Presidency was a Court of Enquiry appointed under the Trade Disputes Act in connexion with the general strike of cotton mill operatives in Bombay City of 1929. After a prolonged enquiry into the causes of and the conduct of this strike which lasted for nearly four months, the Pearson Court of Enquiry came to the unanimous conclusion that the whole of the blame for the calling and the continuation of the strike rested with the Bombay Ginni Kamgar Union. The Report of the Court was published on the 16th Sept. and its moral effect was so great that the union called off the strike unconditionally on the next day.

Bengal—Several special Committees were appointed by the Government of Bengal during the period of intense industrial unrest during the years 1920-21.

(1) As the result of a strike of taxi drivers and professional drivers of private cars in Calcutta which was caused by objections to certain rules, particularly (a) a new rule requiring medical examination of applicants for professional driver's license, and (b) another rule forbidding the carrying of attendants in taxis, Government appointed a Committee of Enquiry into the existing licensing regulations and the control of taxi cabs generally. The strike lasted from the 12th to the 20th January 1921, and ceased as a result of the institution of the inquiry. The Committee made a number of proposals for amendments in the existing regulations. These proposals were ultimately accepted and brought into effect on the 12th October 1921.

(2) As the result of a strike of drivers and conductors of Calcutta and Howrah tramways, which lasted from the 27th January to the 24th February 1921, Government appointed a Committee of Enquiry after the resumption of work by the strikers on the 8th March 1921. The men resumed work towards the end of February on condition (a) that the Calcutta Tramways Company would investigate their grievances and announce their decision within a week, and (b) that if the men were dissatisfied with the Company's decision, Government would appoint a Committee of Enquiry. There was general agreement between the Company and the men's representatives in regard to the majority of the Committee's recommendations. Some, however, of the Directors of the Company did not accept the terms. Another strike of the tramway employees of a much more protracted character broke out in 1922. It lasted from 20th December 1922 to 27th January 1923. No Committee of Enquiry was appointed, although the representatives of the men raised several points which arose from the previous inquiry. Work was resumed unconditionally.

(3) During a strike on the light railway of Messrs Martin and Company in the 24 Parganas and Howrah which lasted from the 15th June to the 2nd July 1921, a special Conciliation Board was constituted by Government by a special resolution at the joint request of the employers and the employees concerned. The result of the Board's efforts was a compromise on most of the points raised by the workers, and as a result of the Board's recommendations it was agreed that joint works committees should be set up on the Howrah Amta and Howrah-Sherkhali Lines. Works Committees were established soon after the Board's report was published, but they failed to function owing to the men's indifference.

(4) The Bengal Legislative Council passed a resolution on the 4th March 1921 to the effect that Government should appoint a Committee to enquire into the general causes of the prevailing unrest and to suggest remedial measures. The report of the Committee was published on the 18th June 1921. The main recommendations of the Committee were—

- (a) the establishment of joint works committees in industrial concerns
- (b) non intervention of Government in private industrial disputes which it was considered should be settled by voluntary conciliation,
- (c) the constitution by Government of a conciliation panel to deal with disputes in public utility services, and
- (d) the appointment by Government of special conciliation bodies in the case of private industrial disputes, if both parties desired outside intervention.

As the result of the recommendations of this Committee, a conciliation panel was constituted under Government resolution dated the 29th August 1921. The panel contained thirty names, and was composed on a representative basis, leading public bodies being asked to recommend persons to serve on it. The panel was reconstituted every year till 1929, when it was superseded by the Trade Disputes Act. Several applications for Government intervention were received during the period of the panel's existence but in no case did Government consider that intervention was justified.

The Government of Bengal agreed with the Committee's view that there was no reason why voluntary conciliation boards, wisely constituted, should not achieve a large measure of success in labour disputes affecting public utility services, where the parties had come to a deadlock, and a solution of the disputes could only be found in the intervention of outsiders. The panel was intended to deal only with disputes affecting public utility services in Calcutta and its neighbourhood. In the settlement of ordinary labour disputes not directly affecting the public, the Committee held that it was not ordinarily the duty of Government to intervene in such disputes either directly or indirectly, but if both parties express a desire that their differences should be investigated by an impartial authority, the Governor in Council should be prepared to establish a conciliation board to deal with the matter, or to take such other action as might be suitable in the circumstances of the case.

TRADE DISPUTES LEGISLATION

The history of the various proposals for legislation providing machinery for the prevention and settlement of industrial disputes in India covers a period of about ten years. The findings of the Industrial Disputes Committee appointed by the Government of Bombay in the year 1921 in pursuance of a Resolution moved in the Bombay Legislative Council for the appointment of a Committee "to consider and report on the practicability or otherwise of creating machinery for the prevention and early settlement of industrial disputes" has already been dealt with above. Mention has also been made of the action taken by the Government of Bombay under circumstances which led to its abandonment owing to the Government of India circularising a draft Bill as an All India measure. The Bill circulated by the Government of India in August 1924 was very wide and comprehensive in scope and extent.

Nothing further was heard about this Bill until the end of 1925 when His Excellency the Viceroy in a speech at the Annual Meeting of the Associated Chambers of Commerce of India and Ceylon, at Calcutta, said: "The question of providing means of conciliation of trade disputes has been thoroughly explored but it would be premature to legislate on this question until the Trade Union Bill has become law." The Trade Unions Act was passed in the Legislative Assembly in March 1926 and was brought into operation with effect from the 1st June 1927.

In August 1928 the Government of India published their second Bill making provision for the investigation and settlement of trade disputes and for certain other purposes. This Bill was introduced in the Legislative Assembly with a motion for circulation on the 21st September 1928. The Bill differed in several important respects in comparison with the Government of India's original Bill of 1924. The main part of the Bill falls into three parts. Clauses 3 to 14 of the 1928 Bill related to the establishment of tribunals for the investigation and settlement of trade disputes. This part of the Bill was based generally on the British Industrial Courts Act of 1919 and its detailed provisions were adopted for the most part from clauses in that Act. The main difference was that, whereas the British Act sets up a Standing Industrial Court, the Conciliation Boards which the Bill proposed to establish were intended to be appointed *ad hoc* like the Courts of Inquiry, in order to deal with particular disputes. The object of Courts of Inquiry which would ordinarily be composed of persons having no direct interest in the disputes would be to investigate and report on such questions connected with the dispute as might be referred to them. The objects of Boards of Conciliation which would ordinarily include representatives of the parties to a dispute would be to secure a settlement of the dispute. Provisions were made so as to enable both Courts of Inquiry and Boards of Conciliation to enforce the attendance of witnesses and the production of documents.

Neither party would be under any obligation to accept the finding of the Court or the advice of the Board, and in cases where the dispute is not brought to an end during the deliberations of the tribunal that had been appointed, reliance was to be placed on the force of public opinion which would be enabled by the publication of the report of the tribunal to arrive at just conclusions on the merits of the dispute.

The second part of the Bill consisted of clause 15 which related to public utility services. In accordance with the definition of "Public Utility Services" in clause 2 of the Bill, Clause 15 would be applicable to such railway services as would be notified by the Governor General in Council. The clause made it a penal offence for workers employed on monthly wages in public utility services to strike without previous notice and also provided heavy penalties for persons abetting such an offence. The clause was based on the principle that persons whose work was vital to the welfare of the community generally should not be entitled to enter into a strike before sufficient time had been given to examine the merits of their grievances and to explore the possibilities of arriving at a possible settlement. Provisions of a somewhat similar type already exist in the Indian Post Offices Act, in a number of Municipal Acts in India, and the principle is one which is widely accepted in other countries.

Clauses 16 to 20 of the Bill contained certain special provisions relating to illegal strikes and lockouts. These clauses followed closely the provisions of sections 1, 2 and 7 of the British Trade Disputes and Trade Unions Act, 1927. They were to be applicable only in the case of the strikes and lockouts which satisfied both of two conditions. In the first place, the strike or lockout must have other objects than the mere furtherance of a trade dispute within the industry to which the strikers or employers belonged, and, in the second place, the strike or lockout must be designed to coerce Government either directly or by inflicting hardship on the community. If these conditions were satisfied, the strike or lockout would become illegal. Persons furthering the strike or lockout were liable to punishment and would be deprived of the protection granted to them by the Indian Trade Unions Act, while persons refusing to take part in it would be protected from Trade Union disabilities to which they might otherwise be subjected.

The motion for circulation was adopted in the Legislative Assembly and the Bill was circulated to all Local Governments for opinion. Some Provincial Governments recommended that questions connected with picketing and intimidation of the type which were entirely responsible for the undue prolongation of the general strikes in the cotton mills of Bombay City of the years 1928 and 1929 and the rioting in Bombay in the year 1929, should also be covered. The Bill was referred to a Select Committee of the Legislative Assembly in February 1929.

The Select Committee decided to limit the duration of the Act to five years. In connection with the definition of the term "Public Utility Services" they were of the opinion that the wide power enabling the Government to declare any industry, business or undertaking to be a public utility service was undesirable as well as unnecessary and the provision made for this in the draft Bill was omitted. Various proposals designed to lay upon the Government a definite obligation to convene a Court of Inquiry or a Board of Conciliation in cases where one of the parties so required were considered. But the Committee thought that unless both parties were agreed in desiring a reference it would be useless to fetter the discretion of the Government as to the time at which the matter was reported for action under clause 3. At the same time they held that no option should be left to the Government to refuse to appoint a Court or Board where the Government was assured that both parties were agreed as to the necessity as well as to the form which it should take. They therefore considered it necessary to provide that in every case a Court of Inquiry, where it consisted of one or more persons, should not include persons having an interest in the dispute or in any industry affected by it, and in this connection the Committee proposed a further definition of the term "An independent person". The clause relating to the publication of the findings of Courts and Boards was maintained on the lines of the English Act so as to make it quite clear that every report of a Court or Board, whether final or *interim*, must be published and that only the publication of such information or evidence as the appointing authority thought fit should be left to its discretion. It was considered inadvisable to forbid the representation of parties before Courts and Boards by legal practitioners subject only to exceptions and they redrafted the clause in such a manner as to permit that such representation would ordinarily be permissible subject, however, to such conditions and restrictions as might be provided by the rules.

The Select Committee accepted the principle underlying the clause in connection with strikes in public utility services but they held that the clause as originally drafted was open to certain criticisms. For example, it was pointed out that many persons are actually employed upon a daily wage which is in practice paid monthly, also that the clause as provided would appear to penalise abstention from work on the part of a particular individual, and further that the clause was one-sided and inflicted no penalty upon an employer who locks out his workmen. The latter point was considered as one which should certainly be met as by the nature of his employment a casual or day to day labourer must be entitled to cease work at any moment and be similarly liable to dismissal and it was agreed that he should therefore be excluded altogether from the operation of this clause. The Committee adopted a suggestion made by the Government of Bombay which made it clear that the cessation of work must be in the nature of a strike as defined in the Bill and it was provided that in order to render it a penal offence the strike must be in breach of a definite contract between the employer and the workmen. The Committee added a collateral provision penalising

an employer for locking out his workmen in breach of any contract. The Committee adopted the clause in connection with illegal strikes but with some amendments which, in their opinion, would restrict its scope without materially impairing its effectiveness. In sub clause 2 of this section they made it clear that, for the application of money to be illegal it must not merely tend to further or support the strike, but have the direct effect of so doing. This was intended to exclude a case in which money is spent upon the relief of the dependants of strikers. A further sub clause, borrowed from a similar provision from the English Act of 1927 explaining the circumstances in which a group of workmen should be deemed to be within the same trade or industry was added. The penalties provided for the instigation of an illegal strike were modified. With regard to clause 20 of the draft Bill, the Committee held that there was no sufficient justification for giving an option to the Government to apply for injunctions restraining the expense of the funds of a Trade Union in connection with an illegal strike. It was considered that under clause 16 such expenditure had been declared illegal and the persons properly interested in seeing that the funds were not mis-spent are the members of the Trade Union concerned. The Committee were of the opinion that the Bill had not been so altered as to require republication and they recommended that it should be passed as duly amended by them.

The Select Committee as such did not deal with the question of making provision for picketing and intimidation in their report but in a minute of dissent Sir Victor Sassoon, Bart., stated that the alteration of the law relating to picketing was one for which, in his opinion, the time was ripe. Picketing of any kind should be rendered illegal while a Court or Board is sitting and the law on picketing at any time should be altered to render it illegal at or near a workman's house as under the English Law. There appeared to be some doubt as to whether legislation of this kind should take place in this Bill or by an Amending Bill to section 503 of the Indian Penal Code. It had been stated that if an amendment of this kind were passed in the Select Committee it would delay the Bill. As he did not desire to delay the acceptance of the provisions of this Bill he did not press the point which was raised by other members of the Select Committee. Sir Victor Sassoon, however, thought that suitable action should be taken by Government either when the Bill came up before the House or by bringing out an amending Bill to the Indian Penal Code to deal with this most important and necessary point. The action taken by the Government of Bombay in connection with the passing of an Intimidation Act has been dealt with in the chapter on Industrial Disputes.

The Bill as amended by the Select Committee was passed by the Legislative Assembly on the 8th April 1929 without any change and received the assent of the Governor General on the 12th April 1929.

During the period of nearly five years for which the Act has been in operation, it has only been made use of on four occasions.

on the State Members, but they have to be submitted to the Legislature of each country, and this secures the regular examination both by the Executive Governments and the Legislatures of schemes which international opinion considers necessary and desirable for the amelioration of labour conditions. During the seventeen Conferences that have been held 40 Conventions have been adopted. Out of these the following thirteen have been ratified by India —

- 1 Hours of work (1919)
- 2 Unemployment (1919)
- 3 Night work of Women (1919)
- 4 Night work of young persons in Industry (1919)
- 5 Rights of Association (Agriculture) (1921)
- 6 Weekly Rest in Industry (1921)
- 7 Minimum age of stokers and trimmers (1921)
- 8 Medical Examination of Young Persons employed at Sea (1921)

- 9 Workmen's Compensation (Diseases) (1925)
- 10 Equality of Treatment (Accidents) (1925)
- 11 Inspection of Immigrants on board ship (1926)
- 12 Seamen's Articles of Agreement (1926)
- 13 Weight of Packages transported by vessels (1929)

In addition to the Conventions dealt with above, the International Labour Conferences have also adopted numerous Recommendations.

The Seventeenth Session of the International Labour Conference held at Geneva from the 8th to 30th June 1933 adopted conventions in respect of (a) employment agencies, (b) widows and orphans insurance and (c) invalidity and old age insurance. It also adopted Recommendations in connection with the first two subjects.

GOVERNMENT ADMINISTRATION

During pre Reform days Labour was not a question to which the Central or Provincial Governments in India gave the same attention as they did to such subjects as education, health or justice. After the amendment of the Indian Factories Act of 1891 in 1911, the appointment of the **Indian Industrial Commission** in May, 1916, may be considered to be the first milestone in the progressive interest taken by Government in questions connected with labour. The active participation of India in the Great War led to the creation of an unprecedented opportunity and the emergence of an unprecedented need for a definite industrial policy for India as a whole. The examination of various industrial questions by the Industrial Commission included, to a certain extent, the examination of questions connected with labour as well. Previous to this date no provincial or All India inquiries of a general character were held into conditions of labour with the exception of some quinquennial censuses into agricultural wages. No information was available in 1919 as to the rates of wages which were paid in industry, and, for that matter, very little information in this direction is available even to-day. Indian labour secured its first opportunity with her participation in the signing of the treaty of peace and her becoming a live member of the international comity of nations. The participation by India, in the first International Labour Conference held at Washington in the year 1919 made it necessary for the Government of India and the Governments of the more industrialised provinces not only to consider the question of the representation of labour in the Central and Provincial Legislatures but also to allocate to special departments or offices the administration of labour questions.

Under the Devolution Rules (Schedule I, Part 2, Rule 26) industrial matters included under the heads factories and welfare of labour fall within the scope of the provincial legislatures. Under the same rules 'regulation of mines' and 'inter provincial migration' are central subjects. A Labour Bureau was established by the Government of India in the year 1920 but it was abolished in March 1923 on the recommendation of the Indian Retrenchment Committee. The administration of labour matters since then has been in the hands of the Department of Industries and Labour with a Member of the Viceroy's Council holding the portfolio. Amongst Local Governments, the Bengal and the Madras Presidencies were the first in the field for the creation of special Labour Officers, but it was the Government of Bombay who took the lead in the field for the creation of a proper Labour Office for the collection and compilation of all kinds of statistics in connection with prices, cost of living, wages, etc.

Bengal

The Government of Bengal appointed a Labour Intelligence Officer in the year 1920. Labour laws were to be administered in the Commerce Department, but the Revenue Department continued the administration of the Assam Labour Immigration Act. The Labour Intelligence Officer was to keep a record of industrial disputes in the Presidency and also the number of labour organisations. From time to time, as circumstances permitted, he was to conduct special inquiries. He was, however, not provided with an adequate staff for the purpose. The Labour Intelligence Officer is also the Deputy

Secretary to the Government of Bengal in the Commerce Department and since the bringing into effect of the Indian Trade Unions Act, 1926, he has also been appointed Registrar of Trade Unions. The Royal Commission on Indian Labour have recommended that Bengal should have a properly staffed Labour office on the same lines and with at least the same staff as the Labour office of the Government of Bombay.

Madras

The Government of Madras appointed a Labour Commissioner in the same year, viz., 1920, to watch and study at all times the conditions of labour particularly industrial labour throughout the Presidency and to keep Government informed by periodical reports of its movements and tendencies and of the existence of any disputes between employers and employed. The settlement of labour disputes and prevention of strikes are features of his work but his interference in such disputes is limited to tendering his offices to settle them. In the case of disputes affecting the internal administration of a railway he may interfere only if both sides agree to his intervention but he must obtain the previous sanction of Government in each case. He is also the Protector of Depressed Classes in which work most of his time is occupied. On a par with the Labour Intelligence Officer, Bengal, the Labour Commissioner in Madras has also no special statistical office to deal with labour statistics and no reports have been published of any special inquiries into questions connected with industrial labour in the Presidency. Since the creation of the Office the conduct of periodic censuses into agricultural wages is, however, placed in his hands.

The Bombay Labour Office

The real pioneer work in the field of labour information and statistics in India during the last thirteen years has been done by the Labour Office of the Government of Bombay which was established in April 1921. In the Government resolution announcing the establishment of this office the following were declared to be its functions—

“(1) *Labour Statistics and Intelligence*—These relate to the conditions under which labour works and include information relating to the cost of living, wages, hours of labour, family budgets, strikes and lockouts, and similar matters,

“(2) *Industrial Disputes*—As experience and knowledge are gained and the activities of the Labour Office develop it will promote the settlement of industrial disputes when these arise, and

“(3) *Legislation and other matters relating to labour*—The Labour Office will advise Government from time to time as regards necessary new legislation or the amendment of existing laws.”

When the Labour Office was first started it was placed in charge of Director of Labour. The post of the Director of Labour was, however, abolished in 1926 and the labour office was placed under the charge of the Director of Information whose designation was changed to Director of Information and Labour Intel-

ligence. With a view to implementing the recommendation of the Royal Commission on Indian Labour in the matter, the Government of Bombay in May 1933 again changed the designation of the Director of Information and Labour Intelligence to ‘Commissioner of Labour and Director of Information’. With this change in designation the administrative control of the Factory and Boiler Departments was transferred from the Collector of Bombay to the Commissioner of Labour and the Commissioner of Labour was also appointed ex officio Commissioner for Workmen's Compensation and Registrar of Trade Unions. In addition to the Commissioner there are three gazetted officers attached to the Labour Office. Two of these are Assistant Commissioners of Labour at headquarters in Bombay and the third who is called the Labour Officer at Ahmedabad is stationed at that centre. There are also three full time Lady Investigators but these are not gazetted appointments. The Assistant Commissioners, the Labour Officer and all the Investigators receive conveyance allowances. The office staff contains two Statistical Assistants, three senior clerks, eight junior clerks, two stenographers, one typist, one cashier, one despatcher, one daffari and five peons in Bombay and one peon in Ahmedabad. The activities of the office comprise (1) prices and cost of living, (2) wages and hours of labour, (3) rents, (4) economic and social conditions of various communities, (5) unemployment, (6) industrial disputes, (7) trade unions, (8) other industrial and labour intelligence, (9) international labour intelligence, (10) labour legislation, (11) the *Labour Gazette*, (12) library, and (13) office organisation.

The *Labour Gazette* has been published monthly from September 1921. It is intended to supply complete and up to date information on Indian labour conditions and especially the conditions existing in the Bombay Presidency, and to supply to local readers the greatest possible amount of information regarding labour conditions in the outside world. The *Labour Gazette* circulates to many different countries and is perhaps the only publication of its kind in India from which foreigners interested in labour and economic conditions in India can obtain accurate and up to date information. It has also hitherto been practically the only medium through which the work and publications of the International Labour Office have been made regularly available to people in India. A substantial grant is allowed by the Local Government to the Labour Office for the purchase of books and the Labour Office has accumulated a very useful and fully catalogued library on labour, industrial and economic matters. The Labour Office library is open to research workers in Bombay. In addition to books, the library contains bound copies of all the more important periodicals received from Labour Ministries, International organisations and research organisations in various parts of the world.

The Labour Office has conducted several special inquiries the results of which have either been published in the form of special reports or as special articles in the *Labour Gazette*. Among the inquiries the results of which have been published in the form of reports

Central Provinces, Mr R W Fulay, a Nagpur pleader, has been nominated as a representative of urban factory labour. In Bengal there have been two nominated members to represent labour interests since the introduction of the reforms. The Assam Government reserves one seat for the nomination of a member to represent labour but it has been found impracticable to find any one who could adequately represent this constituency and therefore the seat is vacant in the present Assam Legislative Council.

Relation between Central and Local Governments—It has already been stated above that under the Devolution Rules, factories, settlement of labour disputes and welfare of labour are reserved subjects. These subjects are, however, subject to central legislation. The provincial legislatures are not debarred from initiating legislation on these matters but they can only do so with the previous sanction of the Governor General in Council. The actual administration of the Acts passed by the central legislature under the above heads falls on the Local Governments who have to bear the entire cost of administration, as it is not permissible under the constitution to incur any expenditure from central revenues on the administration of provincial subjects. This constitutional position is perhaps, to some extent, responsible for the opposition shown by some of the Local Governments to labour measures on which their opinions have been invited by the Government of India during recent years. The Governor General in Council exercises control over the administration of the Acts passed by the legislature in two ways: in the first place he is vested by Statute with the general power of superintendence, direction and control, and, secondly, these Acts in most cases either reserve certain powers to him to make the powers conferred on Local Governments subject to his control. The general principle observed by the Government of India has been to grant to the provinces as free a hand as possible in the administration of the various All India Acts.

Effect of differences in Law in Indian States and British India—Few Indian States have any labour legislation but most of them are of little industrial importance. The only States which have more than 8,000 persons employed in factories and mines are Hyderabad, Mysore, Indore, Baroda, Jammu and Kashmir, Gwalior and Travancore. Most of these States have a Factories Act which, however, is much below the standard of the corresponding Act in British India. In recent years there has been a tendency on the part of certain capitalists to endeavour to evade the provisions of the Factory Law in British India by establishing mills or factories in the territories of Indian States.

Recommendations of the Royal Commission—The most important recommendation made by the Royal Commission on Indian Labour in connexion with Government administration of matters connected with labour is for the setting up of an Industrial Council which would enable representatives of employees of labour and of Governments to meet regularly in conference to discuss labour measures and labour policy. It is suggested that the Council should meet annually and its President should be elected at each annual session. The Secretary of the

Council should be a permanent official responsible to it for current business. The functions of the Council would be (1) the examination of proposals for labour legislation referred to it and also to initiate such proposals, (2) to promote a spirit of co-operation and understanding among those concerned with labour policy, and to provide an opportunity for an interchange of information regarding experiments in labour matters, (3) to advise the Central and Provincial Governments on the framing of rules and regulations, and (4) to advise regarding the collection of labour statistics and the co-ordination and development of economic research. If Labour Legislation is made a Central subject in the new constitution of India, the Royal Commission recommend that the authority finally responsible for such legislation must be the Central Legislature. If Labour legislation is to be decentralised, some co-ordinating body will be necessary. The decisions of the Council could not be given mandatory power, but in certain circumstances it might be made obligatory for Provincial Governments within a specified time to submit proposals for legislation to their respective legislatures for a decision as to their adoption or rejection.

The Commission recommended that Labour Commissioners should be appointed both for the Central and in all the Local Governments except Assam. Labour Commissioners should be selected officers who should hold the appointment for a comparatively long period. They should be responsible for the publication of labour statistics, should have the right to enter all industrial establishments and should be generally accessible both to employers and labour and should act as conciliation officers. Where there is danger of establishments being transferred to Indian States in order to escape regulation, an effort should be made to obtain the co-operation of the adjoining states. The Commission also recommended that the possibility of making labour legislation both a federal and a provincial subject should receive adequate consideration, and that if federal legislation is not practicable, efforts should be directed to securing that, as early as possible, the whole of India participates in making progress in labour matters. For States in which there is appreciable industrial development, the Industrial Council should offer a suitable channel for co-operation.

With regard to the question of representation of labour on the legislatures the Royal Commission recommended that if special constituencies are to remain a feature of the Indian constitution labour should be given adequate representation in the Central and Provincial legislatures. The method which is most likely to be effective in securing the best representatives of labour is that of election by registered trade unions. A special tribunal should be set up in each province to determine before election the weight which should be given to each registered trade union. The question was examined by the Indian Franchise Committee and so far as the Provincial Councils are concerned the communal ward of His Majesty's Government has given effect to the Labour Commission's recommendation. The Franchise Committee recommended a combination of trade union constituencies and special constituencies.

Domestic Servants.

The relationship of master to servant in India is a subject to which attention is frequently directed in the Press by complaints about the alleged deterioration of domestic servants and the hardships to which employers are subjected by the boycotting action of discharged servants. The remedy most commonly propounded for misbehaviour on the part of servants is registration with a view to checking the use of false testimonials, or "chits," and to enabling masters to obtain certain information as to the character of the persons they employ. This mode of procedure is of German origin, for the old Prussian Servants' Ordinances (*Gesindeordnung*) were supplemented in 1851 by a law, applying only to agricultural labourers and domestic servants, which punishes breach of contract, and since then various State laws dealing with domestic servants have been passed in Germany. The conditions are not, however, analogous for the servant keeping class in India is proportionately larger than in Europe, as also is the number of servants kept by each individual.

The first attempt in the East to deal with the problem by legislation was made in Ceylon. The act dealing with the registration of domestic servants in that Colony is comprised in Ordinance No 28 of 1871. It extends to all classes of domestic servants, hired by the month or receiving monthly wages, and the word "servant" means and includes head and under-servants, female servants, cooks, coachmen, horsekeepers and house and garden coolies. The Act came into operation in 1871 and empowered the Governor to appoint for the whole of the Island or for any town or district, to which the Ordinance is made applicable, a registrar of domestic servants, who is to be under the general supervision and control of the Inspector General of Police. A registry is kept by the registrar of all domestic servants employed within his town or district, and he has to enter therein the names of all the servants, the capacities in which they are employed at the time of such registration, the dates of their several engagements and such memorandum of their previous services or antecedents as they may desire to have recorded in the register. But the registrar must, previous to his entering all these details, satisfy himself as to the credibility of the statements made to him. Any person, who may not have been a domestic servant before, but who is desirous of entering domestic service, has to submit an application to the registrar, and if the registrar is satisfied that there are reasonable grounds to believe that the applicant is a fit and proper person to enter domestic service he shall enter his name in the register, recording what he has been able to learn respecting the person's antecedents together with the names of any persons who are willing to certify as to his respectability. If the applicant is unable to produce satisfactory or sufficient evidence as to his fitness for domestic service the registrar may grant him "provisional" registration, to be thereafter converted into "confirmed" registration according to the result of his subsequent service. If the registrar is satisfied that the applicant is not a fit and proper person he should withhold registration altogether, but in such a case he must report his refusal to register to the Inspector-General of Police.

Every person whose name has been registered in the general registry is given a pocket register containing the full particulars of the record made in the general registry. No person can engage a servant who fails to produce his pocket register or whose pocket register does not record the termination of his last previous service, if any. On engaging a servant the master has to enter forthwith in the pocket register the date and capacity in which such servant is engaged and cause the servant to attend personally at the registrar's office to have such entry inserted in the general registry. Similarly, in case the master discharges a servant he must insert in the pocket register the date and cause of his discharge and the character of the servant. Provided that if for any reason he be unwilling to give the servant a character or to state the cause of his discharge he may decline to do so. But in such a case he must furnish to the registrar in writing his reasons for so refusing. If the servant on dismissal fails to produce his pocket register the master must notify that fact to the registrar. Whenever any fresh entry is made in the pocket register the servant is bound to attend the registrar's office to have such an entry recorded in the general registry. Every servant whose name is registered shall if he subsequently enters service in any place not under the operation of the Ordinance, attend personally at the nearest police station on his entering or leaving such service and produce his pocket register to the principal officer of police at such station in order to enable the police officer to record the commencement or termination of the service. The police officer has then to communicate it to the registrar of the town or district in which such servant was originally registered.

Various penalties of fine as well as of imprisonment are imposed for violation of any of the acts required to be done or duties imposed by the Act on the various persons mentioned below. As respects masters if they fail to fulfil any of the duties imposed on them by the Act they expose themselves to a liability of their being fined to the extent of Rs 20. Similarly a servant, who fails to fulfil any of the duties imposed on him by the Act is liable to pay a fine not exceeding Rs 20. But in case he gives any false information to the registrar or to any other person on matters in which he is required by this Ordinance to give information, he is liable to a fine not exceeding Rs 50 or to imprisonment, with or without hard labour, not exceeding 3 months. A fee of 25 cents is charged to the master on engaging a new servant, a like fee of 25 cents is charged to the servant on his provisional registration, or on registration being confirmed or for registration of previous service or antecedents. But in case of loss or destruction of the pocket register the servant has to pay one rupee for the issue of a duplicate pocket register.

A similar Ordinance (No 17 of 1914) has been introduced in the Straits Settlements, where its operation has been limited to such local areas as may be declared by the Governor in Council, and its application within such areas has been restricted to the class of householders who are expected to desire the benefit of the provisions

Sea Routes between India and Europe.

The Indian port for the direct journey to and from Europe is Bombay. There are ordinarily five lines of steamers by which the journey to and from the West *via* Bombay can be performed, either by sea all the way, or—and in some cases only—by sea part of the way and by rail across Europe. They are the P & O, the Anchor Line, the City and Hall Line and the Lloyd Triestino. The Natal line steamers are available for Western passages only, the steamers sailing round the Cape on their Eastward voyages. There are ordinarily other services between Calcutta and the

West, by steamers sailing round Ceylon, and several lines connect Colombo with Europe. Of the latter the Orient, the Messageries Maritimes, the Bibby Lines, N Y K, Australian Commonwealth, and Royal Dutch Lines are the chief. Besides the P & O. The Bibby and Henderson services extend to Rangoon. The new railway between India and Ceylon greatly increases the importance of the Colombo route for Southern India. The shortest time between London and Bombay is 15 days *via* Marseilles. The following are the fares which are convertible at approximately current rates of exchange —

Peninsular and Oriental S N Co

FARES FROM BOMBAY OR KARACHI	1st Saloon				2nd Saloon	
	A	B	C	D	A	B
Free passages (single and return) are granted between Karachi and Bombay by British India Steamer	£	£	£	£	£	£
To Plymouth or London by sea, Single	75	72	66	60	48	42
„ „ Return	136	126	116	106	81	71
To Marseilles, Single	71	68	62	56	41	38
„ Return	120	110	100	90	77	67
To Malta, Single	68	62	56	50	42	36
„ Return	110	100	90	80	71	61
To Gibraltar, Single	76	70	61	58	46	40
„ Return	138	123	113	103	81	71

By the British India S N Co fares to London by sea from Madras are — Single 1st saloon £60, 2nd saloon £41 Return £105 and £77

By the Anchor Line fares to Liverpool from Bombay or Karachi are — 1st saloon Rs 800 single and Rs 1,400 return To Marseilles — Rs 747 and (return from Liverpool) Rs 1,354

By Ellerman's "City" and "Hall" Lines fares from Bombay or Karachi to Liverpool, are —

Cabin class (Minimum) Marseilles Single Rs 453, Return Rs 787, Liverpool Single Rs 493, Return Rs 867

Calcutta to London

1st class Single Rs 760, Return 1,333, 2nd class Single Rs 627, Return Rs 1,093, Cabin class, Single Rs 653, Return Rs 1,147

By Bibby Line fares from Rangoon to London

1st saloon single £68 return £117

Rangoon to Marseilles, 1st saloon single Rs 840 Rangoon to Marseilles, 1st saloon return Rs 1,470

The Bibby Line fares from Colombo are as follows —

Colombo Marseilles single Rs 710, return Rs 1,240 Colombo London single Rs 760, return Rs 1,335

The Bibby Line steamers carry 1st class passengers only

By Henderson Line fares from Rangoon to Liverpool, 1st saloon are — single Rs 775 return (available for 4 months) Rs 1,150, (available for 2 years) Rs 1,375

By Lloyd Triestino Line fares from Bombay to Brindisi, Venice or Trieste are —

1st class £65, 2nd class £45 Return rates available for 2 years at one and three-fourth fares 100 days return tickets 1st class, £86 and 2nd class, £65

Sailings from Bombay Twice Monthly

INDIAN TRAIN SERVICE.

The distances and railway fares from Bombay to the principal centres of other parts of India are as follow —

	Miles	1st Class	2nd Class
		Rs s p	Rs s p
Delhi, B B & C I Railway, via new Nagda Muttra direct route	865	83 1 0	44 2 0
Delhi, G I P Railway, via Agra	957	88 1 0	44 2 0
Simla, via Delhi	1,220	125 14 0	63 6 0
Calcutta, G I P, from Bombay, via Jubbulpore & Allahabad	1,510	150 15 6	65 8 6
Calcutta, G I P, from Bombay, via Nagpur	1,223	123 1 6	61 9 6
Madras, G I P, from Bombay, via Raichur	704	70 2 0	35 1 0
Lahore, via Delhi	1,162	120 13 0	60 6 0

CIVIL AVIATION.

The development of internal aviation services in India was first essayed by Lord (then Sir George) Lloyd, during his Governorship of Bombay (1918-23). Lord Lloyd succeeded in securing the inauguration of a postal mail service between Karachi and Bombay. This was carried in R A F machines. The use of these aeroplanes complicated the matter from the outset. The service was not warmly supported by the public. The effort failed.

The general attitude of the Government of India for some time after this was that as no air services in the world had yet been run without a Government subsidy and as India had no money available for such a purpose, a general development of air services in India must wait more prosperous times. The pressure of external conditions in favour of Indian aerial enterprise gradually increased. The inauguration of French and Dutch postal services across India, as well as the institution of a regular weekly between England and Karachi, and the general increase of civil aviation in all parts of the world and of visits of flyers of different nations to India, stimulated both Government and public opinion. India became a party to the International Air Convention and under this was obliged to provide ground facilities for aircraft from other countries.

The problem of internal air services was freshly taken up by the Government of India in the Department of Industries and Labour when Sir Bhupendranath Mitra was member of Government for that portfolio. Force of circumstances had already necessitated the appointment of a Director of Civil Aviation and the first holder of the post was Lt Col F C Sheldermine, O B E.

Non official members of the Assembly, under the leadership of Dr Moonje, then an elected member, for some time strongly pressed Government to institute a practical system for the training of young Indians in Civil Aviation. They foresaw that the development of civil

aviation in India was only a matter of time and their great desire was to prevent it following in the wake of the mercantile marine and the commissioned ranks of the army, in which Indians came to the fore under modern conditions only in time to be faced with competition by Britishers who were first in the field. The upshot of this agitation was an arrangement by which young Indians might be sent to England for training with a view to their future employment in the Civil Aviation Department as aerodrome officers, inspectors of aircraft and engines, etc. Eight lads were dispatched for the opening of this system. Others followed and results have been successful. These men are not trained primarily as commercial pilots, but a development of their training, if they show special aptitude and desire to adopt a pilot's career, is always in view. This is a wise precaution and some of them take pilot's certificates. All of them receive a certain amount of training as pilots and they also go through a post graduate course at the Imperial College of Science and Technology and a period of attachment to selected aircraft works and to the London Terminal Aerodrome at Croydon. The course lasts for two years and three months, during which time the men receive scholarships amounting to £240 per annum. A condition of eligibility for these scholarships is that applicants must possess a B Sc degree in engineering or physics.

Interior Postal Service—Sir Bhupendranath Mitra was in due course obliged to reconsider the question of assisted internal aerial services in India. An arrangement was made by which the Imperial Airways Service between Croydon and Karachi was, on 30th December 1929, extended to New Delhi, mails from and for Europe being carried to and from each week. This conveyance of mails between New Delhi and Karachi was performed under a special arrangement, the chief point of which was that the service was conducted by the Postal Department of the Government of India.

and that Imperial Airways chartered to them machines for the purpose. This meant, in effect, that the Western service of the Airways Company continued to Delhi, but that technically the service from Karachi eastwards, belonged not to them but to the Government of India. Passengers as well as mails were carried. On the expiration of the period for which the contract on these lines was arranged, the Government of India decided not to renew their charter with Imperial Airways and adopted the alternative course of contracting with the Delhi Flying Club to carry the weekly Karachi-Delhi air mails—here no passengers to and fro. This, like the earlier special arrangement with Imperial Airways, was obviously a transitional plan. It came into operation early in 1932. It filled the need of the moment, pending the development of a permanent scheme.

Before Sir Bhupendranath Mitra could critically develop the matter, he was succeeded in charge of the Departmental portfolio by Sir Joseph Blore and the latter entered with enthusiasm into the problem. Its solution was largely assisted by a great deal of spade work carried out by Col. Sheldermine before he resigned his appointment as D.C.A. in order to take up the corresponding one in England. A scheme was worked out under the direction of Sir Joseph Blore for the institution of a weekly air service between Karachi and Calcutta in connection with the weekly arrivals and departures of air mails conveyed by Imperial Airways, Ltd., from and to England. If the Government of India had at this time taken no steps towards the organisation of a service of the kind, they would have been unable to prevent Imperial Airways or some other non-Indian concern from establishing one and the authorities in India were determined that civil aviation within India should be Indian in character, either through the development of private enterprise or through the institution of Government-owned services.

The arrival of acute financial stringency following on the world depression, necessitated the abandonment of the Government Karachi-Calcutta service in 1931. Four Aero 10 aeroplanes had already been purchased for the service and they were sold, one of them being purchased for the use of Their Excellencies the Earl and Countess of Willingdon, who had newly arrived in India on the appointment of the Earl to be Viceroy. Efforts were then directed to alternative methods of attaining the desired result and in 1933 an arrangement for the purpose was carried through. In the new scheme there was organised in India a company known as Indian National Airways, Ltd. Its successful institution was largely the result of the efforts of Mr. R. E. Grant Govan, O.B.E., of New Delhi. This Company received the assistance of Imperial Airways, Ltd. into the programme thus devised there also entered the Government of India. The upshot of this was the institution of **Indian Transcontinental Airways, Ltd.**, a corporation of which 51 per cent of the capital is contributed by the Government of India and the remainder by Indian National Airways and Imperial Airways, Ltd. Its business is solely to conduct between Calcutta and Karachi a

fortnightly service to connect, at Karachi, with the Imperial Airways Western Air Service and at Calcutta with the service organised by Imperial Airways to cover the distance between Calcutta and Singapore, at which point another service is being organised under the auspices of the Australian Government to carry on to Australia.

In the alternative weeks between the fortnightly flights of the Indian Transcontinental Airways machines, the Trans India Service is carried by Imperial Airways. The new Karachi-Calcutta route was inaugurated during the summer of 1933 and the extension by Imperial Airways to Singapore was established in the following winter. The Australian extension is not yet in operation.

Indian National Airways, besides being concerned in this trunk service also undertake the development of branch or feeder internal services. They have hitherto established weekly services each way between Calcutta and Rangoon and Calcutta and Dacca, respectively. Meanwhile, private enterprise for the development of internal air services strongly developed in Bombay City and before the institution of Indian National Airways there was established by Tata, Sons & Co., a weekly service each way from Karachi via Bombay to Madras. Various important developments by both these organisations are contemplated.

Instruction in Aviation—Instruction in Aviation is given in India only through Clubs founded for the purpose. There are nine of these. Above them is the Aero Club of India and Burma, Secretary Wing Commander A. R. C. Cooper which exercises control and general co-ordination of activities under the Director of Civil Aviation with the Government of India. The nine instructional clubs are the Delhi, U.P., Bengal, Madras and Bombay Flying Clubs, Karachi Aero Club, Northern India Flying Club, Lahore, Jodhpur and Kathiawar Flying Club (A Punjab Flying Club at Lahore, lost its three aeroplanes in crashes and had to wind up. Its place has been taken by the Northern India Flying Club). The institution of two other clubs in the CP and Hyderabad Deccan respectively is in prospect.

The Club movement dates from March 1927, when, as a result of the interest taken in the subject by Sir Victor Sassoon, Bt., M.L.A., it was discussed by the Indian Legislative Assembly. An encouraging atmosphere was thus created and in the same month the Aero Club of India was formed, composed of about 40 members of the Assembly. Its first meeting was held in Simla in September of the same year and during the next three months 100 more members of the Assembly and 197 other members joined. Strong committees were then formed in Delhi, Calcutta, Bombay and Allahabad, with the object of developing interest in the movement and in order to utilise the Government grants which were at this time proposed and the formation of local clubs followed. The Aero Club entered into an agreement with the Royal Aero Club of Great Britain and thereby became its official representative in India and Burma.

The Government of India, in December, 1927, received from Sir Victor Sassoon a letter saying that subject to a grant of Rs 30,000 to the Aero Club for the year 1928-29 and a grant of Rs 20,000 to each club formed, he would bear any deficit between the Club's income and expenditure until the grants became available. This they agreed to and they further announced that they would provide for each club an initial equipment of two aeroplanes, a spare engine and a contribution towards the cost of a hanger where no hanger was already available. These grants commenced as from the 1st April 1928, and were to continue for two years. Agreements were entered into between the Secretary of State and the Aero Club and between him and the provincial clubs, laying down the conditions of financial assistance. Both aeroplanes manu-

factured by the De Havilland Aircraft Co were selected as the training machines. Eight of these arrived in December 1928, and training with them began in January 1929.

The first Indian air race was flown over a Delhi Agra Jhansi Lucknow Agra Delhi course in February 1932, and was very successful. There was a similar race over approximately the same course in February 1933, when the entries were good and included two competitors who specially came out from England for the contest and the event was again completely successful. The 1934 race was flown with Calcutta as its centre.

Director, Civil Aviation—Mr F Tymms, M C

Deputy Director, Civil Aviation—Mr A T E Eadon

THE SUEZ CANAL

The report of the Suez Canal Company for 1932 reflects an aggravation of the economic crisis throughout the world. Traffic receipts at £137,000,000 were less by 15 per cent against which a further reduction in working expenses was secured of £26,000,000, making a total reduction of £45,000,000 or 20 per cent on the working cost of 1930. In order to provide a gross dividend of 510f per share it was necessary to draw on the extraordinary reserve for £11,000,000. The volume of traffic at 28,340,000 tons was less by 5.6 per cent than the total for 1931 and of the last tonnage 15,721,294 or about 55.1 per cent was accounted for by British shipping. The weight of goods transported through the Canal was only 23,632,000 tons against 25,332,000 tons in 1931, and thus fell below the average of the three years immediately preceding the war. Many vessels which, when trade was on a larger scale, would have been sent laden through the Canal, had to be despatched from the United Kingdom to Australia in ballast, and were directed, in order to save expenses, to proceed by the long sea route.

Improvement Schemes—It was announced in 1914 that from and after January 1st, 1915, the maximum draught of water allowed to ships going through the Suez Canal would be increased by 1 ft, making it 30 ft English.

The maximum permissible draught of ships using the Canal was 24.4 feet in 1870, in 1890 ships drawing 25.4 feet could make the passage, and during the following 24 years the increase has been at the average rate of about 1 foot every six years, thus bringing the maximum draught authorized to 29 feet.

The scheme of improvement adopted by the Company on the recommendation of the International Consultative Committee of Works, the British representatives on which are Sir William Matthews and Mr Anthony Lister, is a comprehensive one, and the details suggest that it will meet the needs of the big ship.

A 40 Feet Channel—The declared policy of the Canal Company in regard to the deepening of the Canal is to offer a slightly greater depth of water than that available in ports east of

Suez. It is claimed that, with the exception of Sydney, there is no eastern port which at low tide has a greater depth of water than that now provided in the Canal throughout the full length of nearly 105 miles. In any case the work in hand should meet the needs of any ship likely to be built for the eastern trade during the next few years.

When the Canal was opened in 1869, the width was 72 feet and the depth about 26 feet 2 inches, in June, 1913, the width at a depth of 32 feet 8 inches had been increased to a minimum of 147 feet 6 inches over a length of about 85 miles and to a width of 328 feet over a distance of about 20 miles. The latest scheme makes provision for a depth of 40 feet throughout and for a widening up to 196 feet 8 inches in the south section, and the cutting of an appropriate number of sidings in the north and central sections, where a minimum width of 147 feet 6 inches is believed to be sufficient for the requirements of the immediate future.

The work of enlarging the capacity of the Canal presents no special difficulty on the engineering side. A good deal of sand is occasionally driven into the channel at Port Said during storms, but a remedy for this will be found in extension of the west breakwater by about 2,700 yards at a cost of over £6,000,000. The construction of this extension, which has been in hand for the past two years, is making satisfactory progress. The Suez Roads are being adequately dredged in accordance with an agreement between the Egyptian Government and the Company.

Almost up to the end of 1915 the works for extending the jetty to the west of Port Said, works of capital importance for the protection of the entry to the Canal were pushed on uninterruptedly. In November, however, for want of hydraulic lime, the manufacture of artificial rocks for this jetty was interrupted. The submarine foundations in stone and rubble of the new jetty were, as a matter of fact, completed to a length of 2,500 metres, the protective blocks were laid for 1,040 metres, and cemented for over 800 metres. The protection of the Channel is thus secured, and there is no need of any apprehension as to its future.

Travel in India.

Thirty years ago, a tour in India was possible only to the wealthy, the leisured and those who had friends in the country. The cost of the journey was very high, the methods of transportation were very slow, and the facilities for travel were so indifferent that he was a bold man who consigned himself to the mercies of the country without a sheet of letters of introduction. Now the mail which is posted in London on Thursday night, reaches Bombay in 14 days, and the passenger can travel by the same route and with the same speed as the mail. It is also possible to reach Bombay in 11 days from Genoa or Venice by means of the Lloyd-Triestino line. A dozen lines have covered the sea route between Europe and India and Ceylon with a plexus of regular services while Imperial Airways have a weekly service from Croydon to Karachi and from there the Indian State Air Service takes you to Delhi and before long it is hoped to Calcutta. The Indian Railways provide facilities on the trunk lines equal to many of the best services in Europe and the Indian hotel has grown into a really comfortable caravanserai.

The traveller to India has a choice of many ports by which he may enter. To the majority of visitors from Europe and the West, Bombay provides their first glimpse of India, while others enter by Calcutta, Madras and Karachi and via Colombo.

Owing to its geographical position Bombay is known as the Gateway of India through which for more than a century, the import and export trade of India has largely passed. Ash-purple against the dawn, the spurs of the Western Ghats, thrones of mystery, stand sentinel about the inner sanctuary of Bombay Harbour. Among and above these mountain heights Wellington fought the battles which earned for him his early military greatness. Every schoolboy knows the story of the Marhatta campaigns, they are but one—the Marhattas—of the races within races that populate this vast country where two hundred and twenty-two different vernaculars are spoken. There is never an end to the land of India. You will find life in its most up to date form and next to it the customs and habits of a nation which have not changed for hundreds of years. Life will surge past you in a picturesque procession. You will hear a medley of strange sounds—the tinkle of the temple bells, the throb of the drum, the chant of the ‘muezzin’ announcing that God is Almighty and Mohammed is his Prophet, the song of the Shirmas, the cry of the wild beast in the jungle. The tropical sun blazing like a ball of molten gold in a turquoise sky, the silver moon sailing across the purple vault of heaven will awaken in you feelings which you have never known before. If the visitor seeks variety and picturesqueness, there is no region in all the world so full of vivid colour, of populous cities, of buildings designed by master architects of bygone days of diverse races, of absorbing subjects for study and

observation such as the customs, religions, philosophy and art of one of the oldest civilisations.

To the true lover of nature, the botanist and the naturalist, India can offer every charm in forest, mountain, valley, cultivated plain, and wild waste.

To the sportsman, it can furnish sport such as few countries can give, the tiger in the forest, the great mahseer in many rivers, the wily snipe on the pheels, the strong winged duck, the junking pig and many another kind.

To the mountaineer, the Himalayas offer the highest mountains in the world and some of the few famous peaks which are still unclimbed.

To the statesman, businessman or politician who seeks rest and change without idleness, India presents a sense of busy administration, a nation in the making and an experiment such as has never before been tried.

Bombay itself is cosmopolitan like many of the world's great ports and in it you will find jostling each other in the streets representatives of half the races of mankind. The Towers of Silence and the Caves of Elephanta are among the sights to be seen. Elephanta is one of those delightful islands which are freely scattered upon the waters over which Bombay reigns as Queen.

But Bombay is a gateway and through it many interesting trips await the visitor and northwards to Delhi he has the choice of two routes either by the G. I. P. Railway via the Ellora and Ajanta Caves, Sanchi, Gwalior, Agra and Muttra or by the B. B. & C. I. Railway via Biroda and through Rajputana with its famous cities of Mount Abu, Udaipur, Ajmer and Jaipur to Agra and Muttra. If you decide to go by the G. I. P. Railway route you will find at Ajanta frescoes which rival many of the old frescoes found in Europe while at Ellora are the most wonderful caves in the world, mountains cut into colossal sanctuaries. You will be able to compare the work of the Buddhists, the Jains and the Brahmans and learn more of Indian mythology than many hours of study will give you. At Sanchi are Buddhist buildings dating back to 150 B.C. The stone carvings are remarkable and are well worth a visit. As you proceed further north, Gwalior is reached. The great Fort of Gwalior has been described by Jergusson as ‘the most remarkable and interesting example of a Hindu palace of an early age in India’. Seventy miles further on lies Agra and of all the romantic cities of India, Agra must surely come first for it contains that crowning glory in marble, the Taj Mahal. Generations have come and gone since that far day when that most splendid of emperors Shahjehan bowed his head before his wife's coffin in the vault of the finished Taj. The building is better known than any other in the world. Visit it by moonlight and later by

daylight if you must. By moonlight its seduction is irresistible. Sit on the steps by the entrance gate and watch the moon drift above the trees and the ring of silver light stealing round the base of the dome and creeping gently upwards to the pinnacle. See it also in the fading evening light when amber and rose and gold, the sun sinks in the west behind the crenelated ramparts of Agra Fort. If you must visit it in the broad light of noonday then forget the first view from the gateway and wander awhile about the gardens where you will find exquisite glimpses of snowy structures so light and graceful that they seem to rest on air, of buoyant cupola and climbing campanile. Here is grandeur as well as beauty.

The Taj Mahal, however, is only one of the many interesting sights of Agra, and its Fort, Itmad ud Daulah's Tomb, Akbar's Tomb, 5 miles from Agra, and Fatehpur Sikri, the deserted city of Akbar about 23 miles distant are all well worth a visit. No other fortress in the world presents so great an appearance of knightly splendour, of proud and noble dignity or, with a more sovereign grace, crowns its red bastions with so wonderful a collection of palaces, mosques, halls of state, baths, kiosques, balconies and terraces as Agra Fort, a mile and a half in circumference with walls 70 feet high faced with red sandstone. The vigorous style of decorative architecture that Akbar introduced into his red sandstone palaces was embellished by his grandson Shah Jahan who was largely responsible for the delicate inlay work and the low reliefs in white marble. There are no buildings to equal these except those found in the Palace in Delhi Fort which Shah Jahan built when he transferred his headquarters to Delhi. Akbar's vigorous but supremely attractive style appears at its best in Fatehpur Sikri which he built in his joy at the realisation of his fondest hopes when his son Jahangir was born.

There in the year 1569 A.D. on a lonely eminence, Akbar founded his city and there began to rise as if by magic those great battlemented walls, the magnificent palaces and courtyards, the great mosque and the other superb specimens of the skill of the Moghul stone masons which stand to this day a source of endless wonder and admiration to visitors.

The traveller moves northward past Muttra and Brindaban, famous places of Hindu pilgrimage due to their association with the birth and early life of Lord Krishna, until Delhi is reached. Delhi, the capital of India, in days gone by and now the Imperial Capital of India, has no rival in greatness, as all men know that he who holds Delhi holds India. Here the visitor will find much that will interest and enthral him. Here he can trace the growth and fall of dynasties after dynasty, here he will find some of the best examples of the work of the Moghul Period at its zenith as he wanders with muffled feet in the great courtyard of the largest mosque in India, the Jama Masjid, or in Shahjahanabad, the Fort and Palace of Shahjahan whose halls rival those of the palace in Agra Fort with their delicate inlay work in marble and their gardens. Here are crumbling memorials of the Mutiny, Hindu Rao's house, the Kashmir Gate beneath which some still

salute dead Home and Salkhed as they pass, the tree encumbered sites of redoubt and battery, Nicholson's grave, Asoka's pillar, the site of the great Durbar.

Kutab, the first of the so called seven cities of Delhi with its Kutab Minar, 238 feet in height, erected in the 12th century A.D. of red and cream sandstone overlooks the plain where many of the pages of history were written. The Kutab Minar, tapering from the base to the summit, is divided by five corbelled balconies while on the fluting is carved an intricate design in which are introduced verses from the Koran. In the main courtyard stands the famous pillar of solid wrought iron devoid of rust and dating back to about 400 A.D. Visitors to Delhi should not miss seeing the Kutab for it is unique in India.

New Delhi, the eighth city of Delhi, is worthy to rank with its seven predecessors, Kutab, Siri, Tughlakabad, Jahanabad, Ferozabad, Paurana Qila and Shahjahanabad, the present day Delhi. Here you find an example of town planning carried out by some of the leading architects and engineers in the world on a site where they could start with a free hand.

If you decide to take the route northwards from Bombay via Rajputana, then you will see another but equally interesting side of India. Rajputana, the land of chivalry, attracts the visitor as few places do. Alone at Udaipur is there, in its perfection, the fairy palace of one's childhood, just such a long cataract of marble terraces and halls falling into the waters of a mountain encircled lake, as the illustrator of an Andrew Lang fairy book delights to draw.

Mount Abu, the Rajput Olympus, combines the delights of a hill station with one of the historic homes of the gods. The Dilwara Temples, the masterpiece of Jain architecture, contain some of the finest carvings in India. Forests of marble columns, carved and polished till they resemble Chinese ivories, are linked by flying arches that twist and twine from pillar to pillar like exquisite creepers, softening outlines and producing the effect of a symphony of graceful movement.

Northwards from Delhi is the Punjab and the North West Frontier Province whence most of the recruits for the Indian Army come. Here you will find Amritsar, the home of the Sikhs, Lahore, one of the most ancient and famous cities of India, the Khyber Pass, the historic gateway into India from the North, the flourishing cities of the Canal Colonies which have risen up since British Engineers have harnessed the waters of the Punjab 'the Land of the Five Rivers' which formerly ran to waste and many another city. Through the Punjab also you will travel to reach Kashmir, famous since the days of the Moghul Emperors.

The glory of Amritsar is the Darbar Sahib (the Golden Temple). The pavements of the sacred tank are all of marble from Jaipur and the tank itself contains a sheet of water 510 feet square. In the midst approached by a marble causeway, rises the Golden Temple, nearly cubical in form and decorated with wonderful richness.

Lahore grew in importance with the dawn of Moghul supremacy when Babar, the founder

until relieved by Sir Colin Campbell. The deeds of Lawrence who was in command until he was killed and of Havelock who made his historic but unsuccessful attempt to rescue the garrison and was himself besieged are well-known.

Cawnpore is one of the most important industrial cities of India and here you will find up to date factories, a symbol of the West with the teeming bazaars where business is still carried on as it has been done for generations.

Northern and Central India is, however not the only interesting part of India and the South can show you sights unlike those in any other part of the World. South India is a land of temples, full of the most wonderful carving while Mysore one of the most progressive Indian States, can show you fine buildings, falls higher than Niagara and wonderful scenery.

Madras is the capital of the Madras Presidency and the third largest town in India and the Presidency includes that part of India which was one of the first in which English and other foreign nations settled. The visitor will still find in the large houses belonging to the merchant Princes with their far spreading compounds in the conveniences still used by the local inhabitants and in the scenery, which is the India of the old picture books, traces of what India used to be when first the English settled there.

Mysore commemorates in its name the destruction of Mahishasura, a minotaur or buffalo headed monster by Chamundi, the form under which the consort of Siva is worshipped as the tutelary goddess of the ruling family. Mysore State is a picturesque land of mountain and forest presenting the most diversified and beautiful scenery. The Capital which bears the same name is the state is a city with many fine buildings and a visitor to India who wishes to see the working of an up to date Indian State situated among wonderful scenery cannot do better than visit Mysore. Elephants cannot throughout the southern forests and from time to time keddah operations are undertaken when wild elephants are captured in stockades. Tigers, leopards and bears are numerous and bison are found in certain forests. The famous Gersoppa Falls present one of the most beautiful sights of wild untamed nature to be found in India. Many of the temples contain examples of the finest carving and Srirangapatam famous as the capital of Tippu Sultan and about nine miles from Mysore is well worth a visit. For those who are travelling from Bombay to Colombo an interesting trip can be arranged via Mysore.

At Madura and Trichinopoly will be found examples of some of the best and most interesting work in South India.

Madura has been aptly described by European scholars as the Athens of South India and from time immemorial has been the abode of South Indian culture in all its aspects.

It contains one of the finest and largest temples in South India and unlike many other temples the tourist is allowed to wander without restrictions over most of it. Near Shiva's shrine and in

the hall of Vantipam of a Thousand Pillars can be seen some of the finest carving in stone in all the world. The workmanship is so fine, the chiselling so delicate that one is lost in silent admiration as one looks at the representations of the Hindu Pantheon and at the graceful figures of men, women and animals.

Trichinopoly is noted for its rock temple and about three miles away is Srirangam with its famous temple which is claimed as the earthly abode of Vishnu the Lord of Creation.

No one visiting India should miss the opportunity of seeing Burma for it is a country of extraordinary charm, a country of contrasts. Whatever be your hobby, whatever be your interest, be it sport, history, ethnology or botany, or should you be merely fond of beautiful scenery you will find a greater variety in Burma than in probably any other country. You can see huge snowy ranges and Alps spangled with rhododendrons and flowers unknown to science. You can find magnificent jungles almost impenetrable to man, bordering rushing torrents, or yet against you can see emerald green paddy fields and great winding rivers in the plains. Should you be adventurous and seek the wilder regions you will find great gaps in the frontier unvisited by civilised men and peopled by head hunters, Chins, Nagas and the fierce Black Lisu. Yet you will also find civilisation in the big cities like Rangoon and Myittha. Rangoon, the capital, is of special interest in that it possesses the famous Shwe Dagon Pagoda, the Sacred Golden Pagoda visited by more pilgrims than any other Buddhist Temple in Indo China.

This short account of India is not intended to be comprehensive and does not even mention many of the interesting places to be visited, but it is hoped that it will give some indication of the wonderful pageantry, the magnificent buildings of an older age, the sport, and the many things of interest which India and India alone can offer.

December, January and February are the most pleasant months for a visit to India. The days are pleasantly cool and except on the seaboard the nights are cold. India speaking broadly has no winter except in the far north. It is a land of sunshine and colour. But the traveller arriving before November or staying in the country beyond the month of March must expect to find the tropical sun asserting its sway unless he wends his way to far Kashmir or to one of the hill stations of India, Simla, the summer capital of India, Darjeeling the delightful or one of the many others situated among the hills of India.

Standard Tours

The planning of an itinerary for an Indian or Burman tour will depend upon the port of arrival, the port of departure, personal desires of the party and the time available. Any of the leading tourist agencies such as Thos Cook & Son, Ltd, the American Express Co, Cox & Kings (Agents) Ltd, Army & Navy Stores, Grindley & Co, etc, and the Publicity Officers of all the more important Railways as well as the Manager, Indian Railways Publicity Bureau, 57, Haymarket, London, and the Resident

Manager, Indian Railways Publicity Bureau, "Delhi House", 38 East 57th Street, New York, will work out tours to suit the convenience of individual parties. Many of the leading tourist companies will also arrange for inclusive and conducted tours. There are certain places, which are very well known such as Delhi, Agra, Benares, Darjeeling, Jaipur, the Khyber Pass, Kashmir and Mysore, but there are innumerable other places almost as well known containing sights which cannot be equalled in other parts

of the world. Puri, Lucknow, Amritsar, Udaipur, Mount Abu, Gwalior, Ellora and Ajanta Caves and Madurai are a few of them while in Burma, Mandalay and, the famous old cities of Ava and Amarpur nearby are well worth a visit.

A selection of itineraries for long and short tours in India and Burma is given below. These show what can be seen in certain periods of time, but they can be varied to suit individual parties or taken in the reverse direction.

Tour No 1 —4 weeks —Bombay, Udupur, Japur, Peshawar, Lahore, Amritsar, Delhi, Agra, Cawnpore, Lucknow, Benares, Darjeeling and Calcutta

Alternatives (a) Puri and Konarak in place of Darjeeling

(b) Gwalior, Sanchi, Lillora and Ajanta Caves in place of Japur and Udaipur

	1st	2nd	Servants 3rd
Total fare (approximate) on the basis of return tickets at 1½ single fares Calcutta—Darjeeling and Delhi—Peshawar	Rs 361-8 £ 27 \$ 120	186-4 14 62	65-12 5 20

Tour No 2 —2 weeks —Bombay, Udupur, Japur, Delhi, Agra, Gwalior, Sanchi and Bombay
Alternative Benares in place of Gwalior and Sanchi

	1st	2nd	Servants 3rd
Total fare (approximate)	Rs 192 £ 15 \$ 69	96 7-10 34	32 2-10 11

If the alternative is taken the fares are increased by about one quarter

Tour No 3 —1 week —Delhi, Lahore, Amritsar, Peshawar and Delhi

	1st	2nd	Servants 3rd
Total fare (approximate) on basis of return tickets at 1½ single fares	Rs 90 £ 7 \$ 25	45 3-10 13	16-2 1-5 4

Tour No 4 —10 days —Bombay, Poona, Mysore, Madras, Trichinopoly, Madurai and Colombo

	1st	2nd	Servants 3rd
Total fare (approximate)	Rs 212 £ 16 \$ 66	107 8 34	39 3 12

NOTE—If extra time can be allowed at Mysore, Somnathpur, Gersoppa Falls and Ootacamund can be visited

Tour No 5 —2 weeks —Colombo Madurai, Madras, Mysore, Ootacamund, and Colombo

	1st	2nd	Servants 3rd
Total fare by train (approximate)	Rs 222 £ 20 \$ 63	124 10 32	45 3-10* 11

NOTE—An interesting trip can be made after leaving Ootacamund via Cochin where the white Jews live, along the backwaters to Alleppey and Quilon by motor launch and motor car, down to Trivandrum, the capital of Travancore, by train, and by motor car to Cape Comorin, the southernmost point of India and, back via Trivandrum and Madurai to Colombo. This would take about seven days.

* Motor Mysore Ooty from Rs 75 additional per car

Tour No 6—1 week—Rangoon, Mandalay, Gokteik Viaduct, Mandalay—Rangoon

	1st	2nd	Servants 3rd	Revised fare by rail
Total fare (approximate)	Rs 70 £ 5 \$ 25	35 3 13	12 1 4	1st ret 102 3 0 2nd „ 51-2 0 3rd „ 17 2 0

NOTE—Many interesting trips off the beaten track can be made in Burma, but special arrangements are necessary

For any visitor landing in Calcutta, it is possible to visit Benares, Agra, Delhi, Jaipur, Bombay, Mysore, Madras, Trichinopoly and Madurai and still reach Colombo on the 14th day, but this entails sightseeing by day and travelling most nights and is not recommended for the ordinary visitor. A very attractive tour can, however, be worked out for a similar trip over a period of four weeks either allowing more time at the more important places or including other of the places mentioned in Tours 1 and 4 such as Darjeeling, Puri, the Khyber Pass, Lahore and Amritsar, Udaipur, etc.

Travelling in India is not expensive when

the long distances travelled are taken into consideration. The first, second and Indian servants fares are shown at the end of each tour. Hotel expenses average about Rs 15 (22/6 or 5½ dollars) per person a day except when special rates are charged during certain special periods, while a motor car for the day can be hired for Rs 25 to Rs 30 (38/6 to 45/ or 9 or 11 dollars) a day in most places, except when long distances have to be covered. Where the distances are short, tongas and two horsed landaus can be used and the daily charges vary from Rs 3 8 to Rs 9 (5/- to 13/6 or 1¼ to 3½ dollars). Guides with a good knowledge of English can be obtained from Rs 5 to Rs 10 (7/6 to 15/- or 2 to 4 dollars) a day.

HOTELS IN INDIA, BURMA, CEYLON AND MALAYA.

AGRA—Cecil, Laurie's Great Northern, Imperial
AHMEDABAD—Grand
ALLAHABAD—Grand
BANGALORE—New Cubbon, West End, Lavelle's, Central
BARODA—The Guest House
BENARES—Clark's de Paris
BHOPAL—Bhopal Hotel
BOMBAY—Grand Majestic Taj Mahal, Regent
CALCUTTA—Continental, Grand, Great Eastern, Spence's
CANNOR—Civil and Military, Berkeley House
COONOR—Glenview
DARJEELING—Grand (Rockville), Mount Everest, Park
DELHI—Cecil Clarke's, Maidens, Swiss
GWALIOR—Grand
GULMARG (Kashmir)—Nedon's
JAIPUR—Jaipur, Kaiser i Hind New
JODHPUR—Jodhpur State Hotel
JUBBULPore—Jackson's
KARACHI—Carlton, Bristol, Killarney, North Western
KHANDALA—Khandalla
KODAIKANAL—Carlton, Wisseluckon
KURSEONG—Clarendon
LAHORE—Falletti's, Nedon's
LUCKNOW—Carlton, Burlington, Hilton's, Royal
MADRAS—Connemara, Bosotto, Spencer
MAHABLESHWAR—Race View
MATHERAN—Rugby
MOUNT ABU—Rajputana
MUSSOORIE—Cecil, Charleville Hakman Grand
MYSORE—Metropole, Carlton
NAINI TAL—Grand, Metropole, Royal

OOTACAMUND—Savoy
PATNA—Grand
PESHAWAR—Deans Hotel
POONA—Majestic, Napier, Poona, Connaught House
PURI—B N Railway Hotel
QUETTA—Stanton's
RAWALPINDI—Flashman's
SECONDARABAD—Montgomery's, Percy's
SHILLONG—Pinewood
SIMLA—Cecil, Grand, Clark's, Corstorphane's
SRINAGAR (Kashmir)—Nedon's
SHIVAPURI—Shivapuri
UDAIPUR—Udaipur

Burma

RANGOON—Allandale, Minto Mansions, Royal Strand
MAYMYO—Lizette Lodge
KALAW—Kalaw

Ceylon

ANURADHAPURA—Grand
BANDARAWELA—Bandarawela, Grand
COLOMBO—Bristol, Galle Face, Grand Oriental
GALLE—New Oriental
HATTON—Adam's Peak
KANDY—Queen's Suisse
NUWARA ELIYA—Carlton, Grand, Maryhill
St Andrew's
MOUNT LAVINIA—Grand

Malaya

IPOH—Station, Grand
KUALA LUMPUR—Empire, Station
PENANG—Eastern and Oriental, Runnymede
SINGAPORE—Adelphi, Europe, Raffles, Sea-View, Riviera

Hill Stations

In India especially during the months of April and May, and at Christmas time, everybody tries as much as possible to take a holiday in the hills. Being anything from 2,000 to 8,000 feet above the level of the sea and difficult of access for motor traffic, the hill stations are delightfully cool and peaceful. Here one can usually ride, walk, play tennis and golf, or simply laze in beautiful surroundings and forget all about the trials of work and jangle of heat. These are the principal hill stations in alphabetical order—

Darjeeling (5,000 ft)—From Darjeeling the highest mountain peak in the world can be seen. The temperature averages 27° above that of London all the year round; that is, it neither exceeds 80° in summer nor falls below 30° in winter. Darjeeling is the summer seat of the Government of Bengal. To reach it, the traveller must start from Calcutta by taking train to Siliguri, a journey of 10 hours. From Siliguri the journey is completed either by motor or hill railway in about 6 hours. The principal hotels in Darjeeling are the Mount Everest, the Grand (Rockville), and the Park.

Kangra Valley—The Kangra Valley is situated about 100 miles east-north-east of Lahore at the foot of the Dhaulai Dhar Range of the Himalayas. There are magnificent landscapes and many historic temples and buildings. The visitor must take train from Lahore to Pathankot where he changes over the newly-opened narrow-gauge railway running between Pathankot and Jalandhar, or in Mandi State. Places to stay at are Dalhousie, Dharmshala and Kangra. The best hotels at Dalhousie are Stiffles Grand View and the Arramoor, and at Dharmshala the Swisses.

Kashmir—Perhaps the most famous beauty spot in the world can be reached by taking train (either G. I. P. or B. B. & C. I.) from Bombay to Rawalpindi (about 18 hours) whence the remainder of the journey is accomplished by motor. The average height of the valley is about 6,000 feet, and it is entirely surrounded by the lofty, snow-capped ranges of the Karakoram and Himalaya. Visitors usually stay either at Srinagar or Gulmarg. At Srinagar one can live at Nedou's Hotel or in boarding houses, or one can hire a houseboat and live on the River Jhelum. At Gulmarg Nedou's is the only hotel. As at Srinagar visitors usually take up their quarters in wooden huts rented through the Srinagar agencies or in tents.

Kodaikanal (7,000 ft)—Regarded by many as the most beautiful of South India's hill stations, is situated on the precipitous southern side of the Palni Hills overlooking the plains. Reached by metre gauge from Madras to Kodaikanal Road and thence by a 4 hours' motor run. The Carlton is the principal hotel. There are also boarding houses.

Matheran (2,500 ft)—The nearest hill station to Bombay, ideal for walkers and anybody wanting rest and quiet. Reached by taking train from Victoria Terminus, Bombay, to Neral (about 1½ hours) whence Matheran may be reached by hill railway (2 hours) or by pony, rickshaw, or on foot by a good walker. Stay at the Rugby Hotel.

Mahableshwar (4,500 ft)—Until recently when expenditure had to be cut down the summer seat of the Government of Bombay. Those who do not motor the whole way from Bombay a distance of about 180 miles, usually take train to Poona and then hire a car from Poona to Mahableshwar. Mahableshwar is noted for its delightful vegetation, orchids and lilies bloom in April and May. Hotels—Race View and Loderick.

Mount Abu (4,500 ft)—An ideal place for combining the pleasures of a mountaineering holiday with the interests of an archaeological excursion. Reached by B. P. & C. I. trains to Ahmedabad, thence by metre gauge to Abu Road, whence the journey is completed by car. The Rajputana Hotel is recommended. There is also a Dak Bungalow containing four furnished rooms, permission to use which must be obtained from the Assistant Engineer, P. W. D., Mount Abu.

Murree (7,000 ft)—The summer headquarters of the Northern Command. Magnificent views and walks. Visitors take train to Rawalpindi whence they complete the remaining 57 miles by car. The principal hotels are the Cecil and the Newforth.

Mussoorie (7,500 ft)—Much frequented on account of its exceptionally fine climate. Reached from Bombay by G. I. P. or B. B. & C. I. trains to Dehra Dun, a journey of 35 hours, where it is necessary to change over to motor which reaches Mussoorie about 6 hours later. The leading hotels are the Cecil, Charleville, Hackman's Grand, and the Saxo.

Naini Tal (6,500 ft)—Is the summer residence of the Governor of the United Provinces. From Bombay there are two ways of getting there. The first is to take either G. I. P. or B. B. & C. I. train to Muttra, thence by metre gauge to Kathgodam, and thence by motor (2 hours). The second route which takes about 5 hours longer is to take G. I. P. train to Lucknow and then change over to the metre gauge railway. The Grand, Metropole and Royal are the best hotels.

Ootacamund—Familiarly known as Ooty is situated on the famous Nilgiri Hills at an altitude of 7,500 feet. The mean average of temperature for the year from sunrise to sunset is 57.33 degrees. Ootacamund is the administrative centre of the District and the seat of the Madras Government for six months of the year.

from April to September Reached either by taking train to Mysore (40 hours from Bombay) and then changing to motor car for five hours, or by taking train to Mettupalayam via Madras and thence by hill railway to Ootacamund The principal hotels are the Snow and Cecil

Pachmar (3,500 ft)—Situated on a plateau in the Mahadeo Hills, is the summer quarters of the Government of the Central Provinces A delightful hot-weather health resort Reached by G I P railway to Pipariya via Jabulpore, and a two hours motor journey The best hotel on the Hill

Simla (7,000 ft)—The summer headquarters of the Government of India, is situated on several small spurs of the lower Himalayas Towards the end of September, and in October and November Simla enjoys the best climate in the world Reached from Bombay by taking G I P or B B & C I train to Kalka and thence either by hill railway or motor There are many good hotels and boarding houses The leading hotels are the Cecil, Clarke, Corstorphans, Grand, Gables (at Mashobra) and Wildflower Hall (Mhasu)

CLIMBING IN THE HIMALAYAS

Owing to their immensity and the time and cost involved in undertaking expeditions into the Himalayas a great deal of mountaineering and exploration remains to be done in the world's highest mountain range There are over fifty summits of 25,000 ft and of these only one, Kamet (25,447 ft) has been scaled, whilst there are innumerable lesser summits of such formidable difficulty, owing to the comparatively recent geological formation of the range, that judged by modern mountaineering standards the majority are inaccessible The highest peak is Mount Everest, which by latest measurements is 29,141 ft Next come Kanchenjunga and K2, both about 28,150 ft, though which is the higher of the two is not certain

Pioneer Climbers—Mountaineering in the Himalayas began some eighty years ago when surveyors crossed high passes and scaled peaks in the course of their work Among these pioneers must be mentioned the Schlagintweit brothers, who in 1855 reached a height of 22,329 ft on the Eastern Ibi Gamin one of the subsidiary peaks of Kamet, whilst I S Pocock of the Survey of India set up a plane table at 22,040 ft in the same district Another notable early explorer was the famous botanist Sir Joseph Hooker who, in 1849, explored the Sikhim valleys of Kanchenjunga and made attempts to climb Kanchenjunga, 22,700 ft and Pauhunri, 23,180 ft Some remarkable explorations were also carried out by the Pandits of the Survey of India Among these men was Babu Sarat Chandra Das who traversed the Jonsong La, 20,200 ft

Later in the nineteenth century came Sir Martin (now Lord) Conway who, in 1892, made explorations in the Karakoram Himalayas, particularly in the region of the Baltoro Glacier the greatest of Himalayan glaciers, and climbed a peak of 23,000 ft Sir Francis Younghusband also made explorations in the Karakoram and accomplished the first crossing of the Karakoram

Pass The Duke of the Abruzzi also made a number of expeditions into this range and reached a height of 25,000 ft on the Bride Peak Mountaineering developed rapidly in the "nineties", and a bold attempt was made by A F Mummery, Professor N Collie and Brigadier General the Hon C G Bruce to climb Nanga Parbat In a final attempt on the mountain Mummery and his two Gurkhas were lost In 1899 D W Freshfield made the first circuit of Kanchenjunga and explored the Nepali side of the mountain

A New Phase—Meanwhile, thanks to Brigadier General Bruce, Gurkhas, and later Sherpas and Bhutias were trained for mountaineering and, with the advent of first class portage, Himalayan mountaineering entered on a new phase Dr and Mrs Bullock Workman made a number of expeditions into the Karakoram and W W Graham made a number of remarkable ascents, with Swiss guides, including an ascent of Kabru 24,000 ft, which has been the subject of much controversy Kabru was later attempted by two Norwegians, Messrs Rubenstein and Monrad Aas who got within a few feet of the top

The present century opened with a number of remarkable ascents by Dr A M Kellas, who died during the 1921 Everest expedition He climbed several great peaks including Kanchenjunga, Pauhunri and Chomomo and made expeditions to the Central Himalayas where, with Colonel H T Molshed he reached in 1920 an altitude of 23,500 ft on Kamet

In 1907 Brigadier General Bruce, Dr T G Longstaff and A L Mummery explored the Garhwal Himalayas and reconnoitred Kamet After this Longstaff, with the Swiss guides Alexis and Henri Brocherel, ascended Trisul, 23,406 ft which, until the Jonsong Peak, 24,344 ft, was climbed in 1930 remained the highest summit reached In 1911 and 1912 attempts were

made to climb **Kamet** by C F Meade and his Swiss guides and a height of 23,500 ft was gained. Captain Morris Shingsby also attempted **Kamet** at this time.

Attempts on Kanchenjunga—The first attempt on **Kanchenjunga** was made in 1905 but ended in disaster, Lieut Piche and three porters being killed by an avalanche. The second attempt in 1929 was made by a solitary American, E F Farmer, who lost his life. In the same year a determined attempt was made by a party of Bavarian Mountaineers led by Paul Bauer. A height of over 25,000 ft was reached on the north east spur before bad weather forced the party to retreat.

In 1930 a fourth attempt was made by an International expedition led by Professor G Dyhrenfurth. The party attempted the mountain from the Nepal side, but were repulsed by an ice avalanche which killed one of the porters. Subsequently, they ascended a number of peaks including the **Pamthang Peak**, 23,200 ft and the **Jonsong Peak** 24,344 ft.

The fifth attempt in 1931 was made by Bauer and his party, but failed at a slightly greater elevation than was attained in 1929. One of the party H Schaller and a porter were killed by a fall during the expedition.

In the summer of 1931 a party of young British climbers led by Mr F S Smythe succeeded in reaching the summit of **Mount Kamet** (25,447 ft) the highest mountain peak, though not the highest altitude ever reached by man.

Mount Everest—A description of the attempts to climb **Mount Everest**, the highest mountain in the world, may be divided under three headings: the reconnaissance expedition of 1921, the first attempt in 1922 and the second in 1924. A still further attempt is being made at the time of writing, in April, 1933.

The preliminary expedition for the reconnaissance of the approaches to **Mt Everest**, carried out its work in the most complete manner under the leadership of Lt-Col C K Howard Bury. The approaches to **Mt Everest** on all its northern faces were thoroughly examined, and relations were established with all the local authorities. On the information and experience of the reconnaissance expedition the second expedition to **Everest** was organised and set off the following year under the leadership of Brig-Gen the Hon C G Bruce. Capt G I Finch and Capt J G Bruce succeeded with the help of oxygen in reaching the height of 27,300 ft. During this expedition seven men were killed when an avalanche swept them over an ice cliff some 60 feet high.

The 1924 expedition was again commanded by Brig Gen Bruce. But owing to his ill health Lt-Colonel E F Norton took on the command. Lt Col E F Norton and Dr T H Somervell reached a height of 28,200 feet. Then a final attempt was made by G L Mallory and A C Irvine. They were assisted by a supporting party consisting of N E Odell and J de V Hazard. On June 6th they left the 25,000 feet camp with three porters who carried loads for them up to 28,800 ft. On June

8th they left camp for their attempt and were never seen again. On June 10th for the third time Odell climbed up to the 27,000 feet camp but could find no sign of Mallory and Irvine, and communicating with Norton evacuated the mountain.

The expedition of 1933 followed a successful effort by Lt Col J L R Wen, Political Officer in Sikkim, to obtain the permission of the Tibetan Government for a further attempt to climb the mountain. An **Everest Committee** was formed under the regis of the Royal Geographical Society and the Alpine Club and Mr Hugh Ruttledge, formerly of the ICS, accepted its invitation to take charge of an expedition. Included in its members were Mr F S Smythe, leader of the successful **Kamet Expedition** of 1931, and Capt E St J Burnie, E E Shipton and Dr C R Greene climbed **Kamet** with Mr Smythe in 1931. The Expedition reached Calcutta in February and forthwith proceeded to its main task.

The expedition established its base camp in the **Rongbuk Valley** on April 17th and on April 21st Camp I was established. Thenceforward the expedition was dogged by exceptionally bad pre monsoon weather which greatly hindered the establishment of camps and made the ascent to the North Col 23,000 ft prolonged and arduous work. Camp IV, 22,800 ft was not established until the middle of May after a 40 feet ice wall on the North Col slopes had been climbed. The expedition was equipped with wireless which enabled weather reports to be received from the meteorological authorities at **Alipore**. One installation was at **Darjeeling**, one at the base camp and a third at Camp III, 21,000 ft. Camp III was linked to the North Col by field telephone so that messages could be received up to 23,000 ft from the plains of **India** in a short space of time.

Owing to a series of blizzards and high winds Camp V was not established until May 22nd. But it was pitched at 25,500 ft several hundred feet higher than previously. The party was then cut off for three days by a furious blizzard and eventually had to retreat to Camp IV. The Camp was re-established on May 28th and on May 29th Wyn Harris, L Wager and J L Longland continued the ascent and finally pitched Camp VI at 27,400 ft, 600 ft higher than in 1924, after a magnificent effort on the part of the porters. Longland then brought the porters down but had a terrible time in a blizzard and only by exercising great mountaineering skill steered them down to Camp V. The following morning Wyn Harris and Wager made a reconnaissance of the route to the summit and failing to discover a route along the crest of the north east ridge finally followed the same route as Norton in 1924. They were stopped by dangerous conditions at 28,100 ft and returned to Camp VI where they met Shipton and Smythe who had come up from Camp V, after which they descended to Camp V. The following morning Shipton and Smythe were unable to leave Camp VI owing to a high wind but on June 1st they made their attempt on the summit.

An hour and a half after leaving the **Camp Shipton** had to return owing to some internal trouble. Smythe carried on alone and reached approximately the same point as Wynn Harris

and Wager before he was forced to retreat owing to the deep powdery snow resting on the steep slabs. Shipton descended to Camp V the same day in very bad weather and Smythe spent a third night at Camp VI descending to Camp IV next day in a blizzard. Owing to frostbites, strained hearts, and high altitude deterioration the party had to retreat to the base camp. A week later they returned to Camp III to make another attempt. Owing, however, to the breaking of the monsoon this had to be abandoned and the expedition returned to Darjeeling.

Aerial Expedition.—An interesting side to the exploration of Everest was an aerial expedition undertaken in 1933 for the purpose of photographing the mountain from the air. This venture was financed by Lady Houston. Major F. A. S. Blacker, formerly of the Gull, was its leader and in charge of its survey, while Lord Clyde, late chief pilot of the R. A. F., and Major P. J. Fotherton, of the London Marys, were two specially equipped aeroplanes. Adaptations of the well-known Wapiti were provided. A special point in their equipment was the provision of compressed oxygen for supply through gas masks to the aviator at high altitudes. The expedition was not permitted to fly across the Tibetan frontier so as to circle Mt. Everest but both machines successfully flew over the peak and several good photographs were taken of it. By permission of the Nepal Government a line of sight from Purnea, the base of the expedition across Nepal territory to Mt. Everest was taken and along this good survey photographs and the somewhat poor visibility at the time of the flight, in April, permitted.

An interesting mountaineering of which details were published in 1933 was one from Risalpur to Gilgit and back undertaken by the R. A. F. at Risalpur in the course of its routine duties in October, 1932. The expedition was commanded by Lt. Isaac and was made by five of the machines ordinarily in use by the Force. The distance from Risalpur by way of

the Indus Valley and past Naran Pargat to Gilgit is 256 miles. It was covered in 2 hrs. 20 min. on the outward flight and in 2 hrs. 5 min. on the return journey. From Gilgit the machines further proceeded upon flights over the Hunza, Nagar and Pablik areas. Prilliant photographs of Naran Pargat and Pablik were well as of other parts of the region of interest.

The year 1932 saw a successful expedition to Mount Naran Pargat. It was conducted by Dr. Merill of the Gull and included Lt. Isaac, former of the Gull, and Major P. J. Fotherton, of the London Marys. Several of the machines of the R. A. F. were used to transport the expedition to the summit of the mountain in August, 1932, before the arrival of the winter.

Mr. Hugh Pathe, who died during 1932, a valuable recognition of the S. F. Banks of the Great Eastern Insurance Co. Ltd.

It was also a success for the R. A. F. in 1932, when climbing on the highest peak in the Himalayas.

Several expeditions have lately been made into the Himalayas by members of the Himalayan Club, especially expeditions into Sikkim by members of the Indian Survey.

The Himalayan Club.—Was founded on 17th February, 1925, at New Delhi with the object of encouraging and assisting Himalayan travel and exploration and extending knowledge of the Himalayas through education, literature and sport. The initiation of the Club was due to the Hon. Sir George Curzon, Secretary, Commerce Department of the Government of India and to Major Kenneth Mason, M.C., I.C.S., Assistant Surveyor General. Its membership is over 150 including three lady members and its president is H. J. Sir Malcolm Hailey, who has, however, recently sent in his resignation on the ground that he now resided too far from the Club Headquarters. Major W. L. O. Swiss is Hon. Secretary.

The New Capital.

The transfer of the capital of India from Calcutta to Delhi was announced at the Delhi Durbar on December 12, 1911. It had long been recognised as necessary, in the interests of the whole of India, to de-provincialise the Government of India, but this ideal was unattainable as long as the Government of India were located in one Province, and in the capital of that Province—the seat of the Bengal Government—for several months in every year. It was also desirable to free the Bengal Government from the close proximity of the Government of India which had been to the constant disadvantage of that Province. To achieve these two objects the removal of the capital from Calcutta was essential. Its disadvan-

tages had been recognised as long ago as 1868, when Sir Henry Maine advocated the change. Various places had been discussed as possible capitals, but Delhi was by common consent the best of them all. Its central position and situation as a railway junction, added to its historical associations, told in its favour, and as Lord Crewe said in his despatch on the subject, "to the races of India, for whom the legends and records of the past are charged with so intense a meaning this resumption by the Paramount Power of the seat of venerable Empire should at once enforce the continuity and promise the permanency of British sovereign rule over the length and breadth of the country."

The foundation stone of the new capital was laid by the King Emperor on December 15, 1911, the finally selected site being on the eastern slopes of the hills to the south of Delhi, on the fringe of the tract occupied by the Delhi of the past. The land chosen is free from liability to flood, has a natural drainage, and is not manured. It is not encumbered with monuments and tombs needing reverent treatment and the site is near the present centre of the town of Delhi. A Committee consisting of Surge-General Sir C P Lukis, Mr H T Keeling, CSI, AMICL, and Major J C Robertson, I M S, was appointed to consider the comparative healthiness of the site and of an alternative one to the North of the existing city. Their report, dated 4th March, 1913, states that "the Committee, after giving full consideration to the various points discussed in the above note, is bound to advise the Government of India that no doubt can exist as to the superior healthiness of the southern site, the medical and sanitary advantages of which are overwhelming when compared with those of the northern site."

The Town Plan and Architecture—A report by a Town-Planning Committee, with a plan of the lay-out, was dated 20th March 1913. Work was begun in accordance with it and its main lines have been followed throughout. The central point of interest in the lay-out, which gives the motif of the whole, is Government House, and two large blocks of Secretariats. This Government centre has been given a position at Raisina Hill near the centre of the new city. Sir Edwin Lutyens is the architect for Government House and Sir Edward Baker for the Secretariats. The former building is estimated to cost approximately Rs 140 lakhs and the latter groups were originally estimated to some Rs 124 lakhs. The provision made in the design of the Secretariats for extensions in case if used has already partly been utilised. The Secretariat personnel has largely increased in the past few years and numerous additional rooms had to be provided to make room for Army Headquarters, which moved into the new capital at the end of the Simla season, 1929. To the east of the forum, and below it, is a spacious forecourt defined by an ornamental wall and linked on to the great main avenue or parkway which leads to Indraprastha. Across this main axis runs an avenue to the shopping centre. Other roads run in different directions from the entrance to the forum. The axis running north-east towards the Jama Masjid forms the principal approach to the new Legislature Chambers. They are officially described as the Council House and the road is named Parliament-street. The railway station for the new city finds its place about half way between the old and new cities off the road through Palyangun, which lies to the west of Old Delhi in the direction of The Ridge. The main roads or avenues range from 76 feet to 150 feet in width with the exception of the main avenue east of the Secretariat buildings where a parkway width of 1,175 feet has been allowed. The principal avenues in addition to the main avenues are those running at right angles to the main east to west axis.

For a temporary capital, for the use of the Government of India during the period of the

building of the new capital an area was selected along the Alipur Road, between the existing civil station of Delhi and the Ridge. The architecture and method of construction were similar to those adopted in the exhibition buildings at Allahabad in 1910 but the buildings have outlasted the transitional period for which they were intended. Army Headquarters were still housed in them in the winter until the season 1929-30. They are now occupied for various purposes including the temporary accommodation of Delhi University.

In October, 1912, by proclamation, there was constituted an administrative enclave of Delhi under a Chief Commissioner. This enclave was entirely taken from the Delhi district of the Punjab and its total area is 573 square miles. On the basis of the Census of 1911, the population of the area originally included in the Province was 398,269 and of the new area 14,552, or a total of 412,821. The population of the Municipal town of Delhi was 2,29,144. The plans of the New Capital allow for a population within it of 70,000. Its present population is approximately 40,000. Sites have been allotted for forty Ruling Princes and Chiefs to build houses for their own occupation during their visits to the new city, and several of these habitations have been erected.

There was, as regards architecture, a prolonged "battle of the styles" over Delhi. Finally, to use the language of the architect, it has been the aim "to express within the limit of the medium and of the powers of its users, the ideal and the fact of British rule in India, of which the New Delhi must ever be the monument." The inspiration of the designs is manifestly Western, as is that of British rule, but they combine with it distinctive Indian features without abandoning the architect's aim to avoid doing violence to the principles of structural fitness and artistic unity.

Cost of the Scheme—It was at first tentatively estimated that the cost of the new capital would be four million sterling and that sum was given in the original despatch of the Government of India on the subject. Various factors have since then increased the amount, the chief of these being the immense rise in prices since the war, and the Legislative Assembly were informed by Government on 23rd March 1921, that the revised estimates then amounted to 1,307 lakhs of rupees. This amount includes allowances for building new Legislative Chambers and Hostels for Members of the Indian Legislature, which were not allowed for in the earlier estimates. The New Capital Enquiry Committee, in its report published in January 1923, estimated the total expenditure at Rs 1,292 lakhs including Rs 42 lakhs for loss by exchange. Actual expenditure upto approximately the end of 1929 was Rs 14 crores. This may be taken as the figure for the completion of the main project.

The Project Estimate contains certain items such as land, residences, water supply, electric light and power, and irrigation on which recoveries in the form of rate or taxes will, in addition to meeting current expenditure, partially at any rate cover the interest on the capital.

[illegible]

A non official Member in the Legislative Assembly on 25th September, 1921 at Simla moved a recommendation to Government "to appoint a Committee to inquire into the possibility of establishing a permanent capital of India in a place possessing salubrious and temperate climate throughout the year". This proposal was ridiculed by a majority of his non-official colleagues and was eventually rejected without a division.

At the Viceoy (Baron Irwin) proceeded in state to the new Legislative buildings henceforward to be known as the Council Buildings and formally declared them open on 18th February 1927. The Indian Legislature began its sessions in them next day.

During 1928, official and public attention became focussed on the need to effect drastic improvements in some of the crowded areas of the old city and to provide for its expansion and for suburban developments. This led to

Art Decorations—The Government of India in 1927 approved a scheme for the encouragement of Indian artists by providing facilities for the decoration of certain buildings in New Delhi. The outlines of the scheme are briefly as follows. A certain number of domes and ceilings in the New Secretariat Buildings at Delhi suitable for decoration were selected. The various schools of art in India, as well as individual artists, were invited through local Governments, to send in by the beginning of March 1928 small scale designs for approval by a Committee. After approval by the Committee both as regards the design and colour the pictures were to be drawn out and painted to full size on canvas, and, if finally approved by the Committee, fixed according to the margin

the examination of the possibilities of the arising between the old and new cities and of the desirability of driving connecting roads through the City walls in order to give access outwards in this direction. The old city is now rapidly expanding in a westerly direction, i.e., towards and up the Ridge, which runs behind both cities and the spaces between the two cities are being developed and utilised. So far the plan for a direct thoroughfare from the midst of the new city through the old city wall to the middle of the old city has not been proceeded with and consequently the magnificent thoroughfare, name Parliament Street, which was constructed for the purpose in New Delhi remains in a truncated condition. The Delhi Municipal Committee late in 1933 declined to co-operate in a completion scheme, on the ground that it would result in changes in property values in the old city to the disadvantage of many owners. The Medical Officer of Health of the old city in his latest reports gravely stresses the ill effect of its overcrowded state and in this he is borne out by the Municipality in its reports.

H E the Viceroy on 10th January 1930 laid the foundation stone of a large European and Indian General Hospital to be built in the course of the next few years at a cost of Rs 75 lakhs for the service of both old and new cities. This would provide 254 beds and the necessary laboratories and administrative and residential quarters. No progress has yet been made with the building work on which has for financial reasons been postponed.

All India War Memorial—H R H the Duke of Connaught on 10th February, 1921, laid the foundation stone of an All India War Memorial at the southern end of the Central Vista. The place chosen is a fine position in the centre of the circular Princes' Park and the construction of the building was for economy's sake proceeded with slowly. The memorial was formally inaugurated by Lord Irwin in February, 1931.

The Memorial takes the form of a triumphal arch spanning Kingsway, the avenue running down the centre of the Vista. It is generally similar to the Arc de Triomphe in Paris but is simpler. The monument reaches a height of 160 feet and the inner height of the arch is 87 feet 6 inches and its breadth 70 feet. Over the arch on both fronts appears in capital letters the single word INDIA and this is flanked on each side by the initials MCM (i.e., 1900) whilst immediately below them on the left hand are the initials XIV (i.e., 14) and on the opposite side the figures XIX (i.e., 19). Above the Arch is a circular stone bowl 11½ feet in diameter. A column of inoffensive chemical smoke ascends from this on ceremonial occasions and anniversaries and is illuminated by electric light reflections after dark. The memorial is solely Indian in purpose and bears the names of British and Indian officers and NCOs men of the Indian regiments who fought on the Indian Frontier in the Great War (those fought on other fronts being commemorated by memorials erected in those countries).

Public Institutions—It was proposed during 1914 that a higher college for Chiefs should be established at Delhi and in this connexion a conference of Chiefs and Political Officers was held at Delhi at which the Viceroy presided. The proposal is still under consideration. To implement it would require an estimated capital outlay of Rs 12½ lakhs.

The Government of India further in the Spring session of their Legislature in 1922 introduced and carried a Bill for the establishment of a unitary, teaching and residential University of Delhi, the buildings for which would be erected in the new capital. The plan was to provide a local university on the model recommended for Dacca University by the Calcutta University Commission. The provision of funds for the complete realisation of the university must be a matter of time and it was, therefore, decided to commence work with the existing colleges in their present buildings and to permit them gradually to modify their organisation. The initial work of organisation was quickly effected by the Executive Council. Unfortunately, the inability of the Government of India to allot considerable funds was a severe handicap. It was hoped that H E the Viceroy would be able to lay the foundation stone of the university buildings in November, 1922, but this proved impracticable. The general question of the finances of the University was in 1927 the subject of inquiry by a special Committee appointed by Government for the time being the University was housed in the temporary buildings in old Delhi occupied by the Civil Secretariat until 1929 and in 1931 Old Viceregal Lodge was allocated to it for its future home.

The new city was the scene of notable inauguration ceremonies in February, 1931. The first of these was the unveiling of four "Dominion Columns" suitably placed about the great place between the two Secretariat blocks. The columns are of red stone, surmounted each by a gilded merchantman of the old style in full sail. The columns are designed to resemble the historic ones erected in various parts of the land by Asoka and were presented by Canada, Australia, New Zealand and South Africa. The first two and fourth of these Dominions sent their own representatives to perform the ceremony of unveiling. New Zealand nominated a Member of the Government of India to act in her behalf for the same purpose. The second great ceremony was the inauguration of the War Memorial. This was performed in State by His Excellency the Viceroy in the presence of representatives of every unit of the army in India of the Royal Air Force and of a large concourse of official and other spectators. There was a large popular fete on the ground lying below the old Fort and between it and the river Jumna. Their Excellencies the Viceroy and Lady Irwin arranged a programme of festivities at the Viceroy's House. A New Delhi Municipal Committee with its own permanent official Chairman and Secretariat was established in 1932.

Freemasonry in India.

In 1728 a dispensation was granted by the Grand Lodge of England to Geo. Pomfrett, Esq., authorising him to "open a new Lodge in Bengal". Of this personage nothing further is known but under Capt. Farwinter, who in the following year succeeded him as Provincial Grand Master of India, a Lodge was established in 1730, which in the Engraved Lists is distinguished by the arms of the East India Company, and is described as "No 72 at Bengal in the East Indies". The next Provincial Grand Masters were James Dawson and Zeeh Gee, who held office in 1740 after whom came the Hon. Roger Drake, appointed 10th April 1755. The last named was Governor of Calcutta at the time of the attack made on the settlement by Surajah Dowlah in 1756. Drake missed the horrors of the Black Hole by escaping and was accused of deserting his post, but, though present at the retaking of Calcutta by Admiral Watson and Clive, it is improbable that he resumed the duties of his masonic office after the calamity that befell the settlement.

The minutes of the Grand Lodge inform us that William Mackett, Provincial Grand Master of Calcutta, was present at the meeting of that body, November 17th, 1760, and we learn on the same authority that at the request of the "Lodges in the East Indies" Mr. Cullin Smith was appointed P. G. M. in 1762. At this period it was the custom in Bengal "to elect the Provincial Grand Master annually by the majority of the votes of the members present from amongst those who passed through the different offices of the (Prov.) Grand Lodge and who had served as Dep. Prov. Grand Master". This annual election as soon as notified to the Grand Lodge of England was confirmed by the Grand Master without its being thought an infringement of his prerogative. In accordance with this practice, Samuel Middleton was elected (P. G. M. circa) in 1767, but in passing it may be briefly observed that a few years previously a kind of roving commission was granted by Earl Ferrars in 1762 to John Blinnett, Commander of the "Admiral Watson," Indian Army for East India where no other Provincial Lodge is to be found. Middleton's election was confirmed October 31st, 1768 and, as the dispensation forwarded by the Grand Secretary was looked upon as abrogating the practice of annual elections, he accordingly held the office of D. G. M. Unfortunately the records of the P. G. L. date back only to 1774 and thus much valuable information is lost to us. This Grand Lodge continued working until 1792 when it ceased to meet. It seems that the officers were selected from only two Lodges much to the dissatisfaction of the other Lodges, and resulted in most of the dissatisfied bodies seceding and attaching themselves to the Athol of Ancient Grand Lodge. In 1813 at the Union both the Ancients and Moderns in Calcutta combined and gave their allegiance to the United Grand Lodge of England and have since been working peaceably under the Provincial Grand Lodge of Bengal which was revived in that year and in 1840 created a District Grand Lodge.

Madras—The earliest Lodge in Southern India (No 222) was established in Madras in 1752. Three others were also established about 1766

In the same year Capt. Edmund Pascal was appointed P. G. M. for Madras and its Dependencies and in the following year another Lodge was established at Fort St. George. In 1768 the Athol (or Ancients) invaded this District and in 1782 established a Provincial Grand Lodge and both these Provincial Grand Bodies continued working peaceably side by side until the Union. Indeed, though not generally known, these two Grand Bodies made an attempt at coalition long before any such movement was made by their parent bodies, the Grand Lodge of England, and the Ancient Grand Lodge, and Malden in his History of Freemasonry in Madras states that in a great measure they succeeded. At the Union in 1813 all the bodies in Madras gave their allegiance to the United Grand Lodge. One event worthy of note was the Initiation in 1774 at Trichinopoly of the eldest son of the Nawab of Arcot, Umdat-ul Umra, who in his reply to the congratulations of the Grand Lodge of England stated "he considered the title of English Mason as one of the most honourable that he possessed". This document is now stored in the archives of the United Grand Lodge.

Bombay—Two Lodges were established in this Presidency during the 17th century, Nos 231 at Bombay in 1758 and 569 in Surat in 1768, both of which were carried on the lists until the Union when they disappeared. A Provincial Grand Master, James Todd, was appointed but there is no record that he exercised his functions and his name drops out of the Freemasons' Calendar in 1799. In 1801 an Athol Warrant was granted (No 322) to the 78th foot which was engaged in the Maratha War under Sir Arthur Wellesley. In 1818 Lord Moria was asked to constitute a Lodge to be known by the name of St. Andrew by eight Masons residing there and also to grant a dispensation for holding a Provincial Grand Lodge for the purpose of making the Hon. Mountstuart a Mason, he having expressed a wish to that effect. The Petitioners further requested "that his name might be inserted in the body of the warrant, authorising them to instal him after being duly passed and raised a Deputy Grand Master of the Deccan". Of the reply to this application no copy has been preserved. Lodge Benevolence was established in Bombay in 1822.

In 1823 a Military Lodge 'Orion-in-the-West' was formed in the Bombay Artillery and installed at Poona as No. 15 of the Coast of Coromandel. It seems from Lane's records that in 1830 it was discovered that this Lodge was not on the records of the United Grand Lodge of England. A Warrant was subsequently issued bearing date 19th July 1833. According to the early proceedings of this Lodge, members were examined in the Third Degree and passed to the chair in the Fourth Degree for which a fee of three gold mohurs was charged. In the following year a second Lodge was established at Poona by the Provincial Grand Lodge of Bengal which however left no trace of its existence. In 1825 the civilian element of "Orion" seceded and formed the "Lodge of Hope" also at Poona No. 802.

Here "Orion" unrecognized at home, aided in the secession of some of its members who obtained a warrant, on the recommendation of the parent Lodge, from the Grand Lodge of England. Two years later it was discovered that no notification of the existence of "Orion-in the West" had reached England, nor had any fees been received, although these including quarterages had been paid into the Provincial Grand Lodge Coast of Coromandel. It was further ascertained that in granting a warrant for a Bombay Lodge the Provincial Grand Master of Coromandel had exceeded his powers. Ultimately a new warrant No 598 was granted as already stated in 1833. Lodge "Perseverance" was started in Bombay No 818 in 1828. Up to this time the jurisdiction of the Grand Lodge of England in India had not been invaded but in 1836 Dr James Burnes was appointed by the Grand Lodge of Scotland, F G M of Western India and its Dependencies. No Provincial Grand Lodge however was formed until 1st January 1838. A second Scottish Province of Eastern India was started which on the retirement of the Marquis of Tweeddale was absorbed within the jurisdiction of Dr Burnes, who in 1846 became Provincial Grand Master for all India (including Aden) but with the proviso, that this appointment was not to act in restraint of any future sub division of the Presidencies. Burnes may be best described as being in 1836, in ecclesiastical phrase as a Provincial Grand Master "in partibus infidelium" for whatever Lodges then existed throughout the length and breadth of India were strangers to Scottish Masonry. But the times were propitious. There was no English Provincial Grand Lodge in Bombay and the Chevalier Burnes, *whom nature had endowed with all the qualities requisite for Masonic Administration*, soon got to work and presented such attractions to **Scottish Freemasonry** that the strange sight was witnessed of English Masons deserting their mother Lodges, to such an extent that these fell into abeyance, in order to give support to Lodges newly constituted under the Grand Lodge of Scotland. In one case, indeed, a Lodge "Perseverance" under England went over bodily to Scotland, with its name, jewels, furniture and belongings, and the charge was accepted by Scotland. This Lodge still exists in Bombay and now bears No 338 on the Register of Scotland. From this period, therefore, Scottish Masonry flourished, and English Masonry declined until the year 1848 when a Lodge St George No 807 on the Rolls of the Grand Lodge of England was again formed at Bombay, and for some years was the solitary representative of English Masonry in the Province. In 1844 Burns established a Lodge "Rising Star" at Bombay for the admission of Indian gentlemen the result of which is seen at the present day. Thus the seed planted at Trichinopoly in 1774 by the initiation of Umdat-ul-Umra has borne fruit, resulting in the initiation of thousands of Indian gentlemen of all castes and creeds, and which has gone far to establishing that mutual trust between West and East, a distinguishing characteristic of Speculative Freemasonry. A Provincial Grand Lodge was re-established in Bombay in 1860, and converted into a District Grand Lodge in 1861.

The Grand Lodge of England—All three Constitutions of the United Kingdom, the United Grand Lodge of England, the Grand Lodge of

Ireland and the Grand Lodge of Scotland hold jurisdiction in India. By far the largest is the first the next largest is the third and the number of Lodges under Ireland is as yet small. The Grand Lodge of England divides its rule under Five District Grand Masters independent of each other and directly subordinate to the Grand Master of England by whom they are appointed.

Bengal

- 79 Lodges Rt Wor Bro Eric Studd, P G D, M L A, Dis G Master, D, D G M, Edward A H Blunt, C I E, O B E, I C S Assist D G M, F W Hockenhill, P G D

Madras

- 35 Lodges Dis G M, Rt Wor Bro Sir Archibald Young G Campbell, K C I E, C S I, C B E, I C S, P G D, D, D G M, Dewan Bahadur P M Sivagnanam Mudali, P G D

Bombay

- 50 D G M Rt Wor Bro W A C Blomham, P G D, D, D G M, R H Middleton

Punjab

- 34 Lodges Rt W Bro Rev Canon G D Barne, M A, C I E, O B E, V D, Lord Bishop of Lahore, District Grand Master Col F A Finnis, C B, O B E, D, D G M

Burma

- 20 Lodges Rt W Bro Dr N N Parekh, P G D, District Grand Master S G Grantham, D, D G M

The Grand Lodge of Scotland exercises its rule through a Grand Master of all Scottish Freemasonry in India, who is elected by the Brethren subject to confirmation by the Grand Master Mason of Scotland. Dr Sir Temulji B Nariman, Kt, is the present incumbent of the office, and controls 78 Lodges. Under him the several districts are in charge of the following Grand Superintendents—

Lt-Col R W Castle, C M G, G Supdt, Northern India

G Lindsay, G Supdt, Central India

The Hon'ble Lt-Col Sir Terence H Keves, C S I, C M G, K C I E, G Supdt, Southern India

L H Emeny, G Supdt, Eastern India

F B Ady—Burma

The Grand Secretary is R W Bro Khan Bahadur J C Mistree, J P, 17, Murzban Road, Fort, Bombay

The Grand Lodge of Ireland granted a warrant to establish a Lodge at Kurnal in 1837, but it was short lived. An attempt was made in 1869 to establish a Lodge in Bombay, but on the representation of the Grand Secretary of England, to the Deputy Grand Secretary of Ireland that it would be objectionable to create a third masonic jurisdiction in the Province, there being two already, viz English and Scottish, the Grand Lodge of Ireland declined to grant the warrant. In 1911, however, a warrant was sanctioned for the establishment of Lodge "St Patrick" and since that year three other Lodges have sprung into being, one of which is now defunct.

Scientific Surveys.

Zoological Survey of India—It was established in 1916, when the Zoological and Anthropological Section of the Indian Museum was converted into a Survey on a basis similar to that of the Geological and Botanical Surveys. The Indian Museum itself dates back to 1875, and at the outset the Zoological and Anthropological collections consisted almost entirely of material handed over by the Asiatic Society of Bengal, whose members had been accumulating systematic collections since 1814. Organised zoological investigation in India has thus been in continuous progress for nearly 120 years. From the foundation of the Museum in 1875 to the time when the Zoological and Anthropological Section was established as a separate Survey, the Curator (or as he was subsequently termed, the Superintendent) of the Indian Museum has been a zoologist and among the officers who have held the appointment have been such well-known members as Anderson, Wood-Mason, Alcock and Annandale.

With the exception of the Director (Lieut.-Colonel R. B. Seymour Sewell F.R.S.) all the officers are Indian. The main functions of the Survey are to investigate the fauna of India and to arrange and preserve the section in the Zoological and Anthropological galleries of the Indian Museum. In addition the Survey issues two series of publications upon Zoological research, namely *The Records* and *The Memoirs* of the Indian Museum.

Mammal Survey—The Survey was instituted in the year 1912 with the object of making as complete a study as possible of the occurrence and distribution of Mammals in India, Burma and Ceylon, and with the further object of supplementing the collection of Indian Mammals at the Bombay Natural History Society's Museum and at the British Museum as well as at the Natural History Museums in India. The primary object of the Survey being the furtherance of our knowledge of Indian Mammalian Fauna. Up to 1891 Naturalists in India had to rely for information on Dr. Jerdon's "Mammals of India" published in 1874. In 1884 R. A. Sterndale published his *Natural History of Indian Mammals* a purely popular work which did not add much to Jerdon's book. In 1881 a memorial prepared by Dr. Slater, Hon. Secretary to the Zoological Society, and signed by Darwin, Hooker, Huxley, and other well-known scientists, was presented to the Secretary of State for India. The memorial recommended that a series of Volumes dealing with the Fauna of India should be prepared and Dr. Blanford should be appointed its Editor. The memorial resulted in the publication in 1888-1890 of the Volume on Mammals in the "Fauna of British India" Series and since 1891 this volume has been the standard work on *Indian Mammals*. Blanford's book was however based on the information then available and the shortcomings of the book have been revealed in the light of more recent research. Further knowledge in regard to distribution and classification and the

discoveries of new species have rendered Blanford practically obsolete.

To remedy this defect, at the instigation of the authorities of the British Museum, the Bombay Natural History Society decided to institute what is now known as the Mammal Survey. Mr. W. S. Millard, then Hon. Secretary of that Society, issued in an appeal to its members to enable the Society to engage the services of trained European collectors so as to make a systematic collection of the mammals of India, Burma and Ceylon. The response to the appeal resulted in over a lakh of rupees being raised between 1911 and 1920, partly by subscriptions from the Society's members, contributions from Indian Princes, and grants from the Indian Government, the Government of Burma, Ceylon, Malay States, and the Provincial Governments. Subscriptions were also received from a few Learned Societies and Institutions in England and America. By the outbreak of the war the Survey had been carried on over large areas of the country, the districts covered being—In Western India a portion of Sind, the whole of Gujarat, Kutch and Kathiawar, the Southern Maharatta Country and Kanara in Southern India, in Coorg and Mysore, in the centre large tracts of the Central Provinces and some districts of Bengal and Behar, in Northern India the Society's collectors had worked over Kumaon, Darjeeling and Sikkim and the Bhutan Duars. In Burma, collections were made along the Chindwin river, in Central Burma and in the Shan States, Pegu and a portion of Tenasserim. The whole of Ceylon was also systematically surveyed.

The material, which up to the outbreak of War comprised some 17,000 specimens, was forwarded to the British Museum where the collections were scientifically worked out by the late Mr. R. C. Wroughton, formerly Inspector General of Forests, Mr. Oldfield Thomas F.R.S., Curator of Mammals at the British Museum, Mr. Martin C. Hinton and others. The results of their researches were published in a series of scientific papers in the journal of the Bombay Natural History Society. The enormous mass of material then collected resulted in the discovery of large numbers of new forms and species and by increasing our knowledge of the distribution of Indian Mammals has enabled the revision of Blanford's *Mammalia* to be undertaken and early in 1921 the Secretary of State for India commissioned Mr. R. C. Wroughton since deceased, and Mr. M. C. Hinton to undertake the work.

When demobilization rendered it possible the work of the Survey which had been in abeyance during the war was resumed and a collector Mr. C. Primrose, was sent to Assam and the Meghal Archipelago and Mr. Oldfield Thomas has written very appreciatively of his work among those islands. Mr. Primrose then began working inland but owing to the impracticability

lity of continuing his work in Burma during the monsoon, he was transferred to Gwalior where H. H. the Maharaja kindly acceded permission to work in his territories.

After working a portion of the Eastern Ghats the next move was to the Kangra District in the North West Himalayas and then on to the Punjab Salt Range. Two other collectors worked in Southern India. Permission was once more obtained from the Nepal Government for a collector to resume the Survey work in that country. The work in Nepal was brought to a successful close early in 1928 with a representative collection of interesting mammals and birds.

Botanical Survey—The Botanical Survey Department of the Government of India is under the control of a Director who is also Superintendent of the Royal Botanic Garden, Calcutta. There is a staff at headquarters of two officers for systematic work and at the Indian Museum a curator who is engaged in the development and maintenance of the Industrial Section. The Director holds administrative charge of the Government of India's cinchona operations in Burma, of quinine manufacture in Bengal and of the distribution of cinchona products to the Government of India's area of distribution in Upper India.

The existence of the Botanical Survey, like that of the Geological Survey, has both a cultural and an economic justification. On general grounds it is obvious that a progressive Government should acquit itself with the physical facts of the area it administers, and although apart from the cinchona operations, the activities of the Survey cannot be said to have much immediate economic applicability—consisting as they do of investigations and researches into the systematics, physiology, ecology, and histology of plant life—the work accomplished in pure botany at the Royal Botanic Garden during the last century and a half has exercised a profound and far-reaching influence upon the development of Agricultural Science and Forestry in India.

Survey of India—The first authoritative map of India was published by D. Anville in 1752, when the exploration of the then unknown India was still largely in French hands. It had been compiled from routes of solitary travellers and rough charts of the coast.

The Survey of India may be said to have been founded in 1767—ten years after the battle of Plassey—when Lord Clive formally appointed Major James Rennell the first Surveyor General of Bengal, at that time the most important of the East India Company's possessions, though there were earlier settlements in Madras and Bombay.

Rennell's maps were originally military reconnaissances and latterly chained surveys based on astronomically fixed points, and do not pretend to the accuracy of modern maps of India based on the rigid system of triangulation commenced at Madras in 1802 and since extended over and beyond India. Even now, however, the relative accuracy of these old maps makes them valuable in legal disputes, as for instance in proving that the holding of a Bengal landowner was a river area at the time of the Permanent Settlement of 1793, so that he is debarré from its benefits.

From these beginnings, this department has gradually become primarily responsible for all topographical surveys, explorations and the maintenance of geographical maps of the greater part of Southern Asia, and also for geodetic work.

Geodesy means the investigation of the size, shape and structure of the earth, and the geodetic work of the department consists of primary (or geodetic) triangulation, latitude, longitude and gravity determinations. From these the exact 'figure' of the earth is obtained, whereby points fixed by triangulation can be accurately located on its curved surface. This system of fixed points holds together all topographical and revenue surveys, and the existence of such a system from the early days of the department has obviated the embarrassments caused in other countries where isolated topographical surveys have been started without a rigid framework, with the inevitable result that they could not be fitted together.

A geodetic framework is, therefore, essential in any large survey, but there are a number of other activities, all of them ultimately utilitarian which can be suitably combined with its execution, and the following are some of these which are carried out in India:

Precise levelling for the determination of heights,

Tidal predictions and publication of Tide Tables for forty one ports between Suez and Singapore.

The Magnetic survey,

Observation of the direction and force of gravity,

Astronomical observations to determine latitude, longitude and time,

Seismographic and meteorological observations at Dehra Dun.

Indian geodesy has disclosed by far the largest known anomalies of gravitational attraction in the earth's crust, which have recently led to a reconsideration of the whole theory of isostasy.

Topographical Surveys—In the past this department used to carry out the large scale revenue surveys for most of India, and was still conducting this work for Central and Eastern India and Burma in 1905.

Though revenue survey is primarily a record of individual property boundaries and is concerned with the surface features, ground levels and exact geographical position essential to a topographical survey, it was on the whole found economical to carry out both surveys together.

By 1905 however, all the Provinces had taken over the revenue surveys, for which they had always paid, and the Survey of India was enabled to concentrate its energies on a complete new series of modern topographical maps in several colours on the 1-inch to 1 mile scale.

This new series had been rendered necessary by the natural demand for more detailed information to be shown on maps, especially as regards the portrayal of hill features by contours, proper classification of communications and—more recently—air traffic requirements.

It was intended that this 1905 survey should be completed in twenty five years, and then revised periodically every thirty years. Owing however to the war and more recent retrenchments only

two thirds of the programme had been completed by 1932, in spite of a reduction of scale for the less important areas

Although new surveys covering from thirty to sixty thousand square miles—an area comparable to that of England—are carried out every year, the maps of a large part of the country are still over 50 years old, printed mostly in black only, and have hill features shewn by roughly sketched form lines or hachures, such changes in town sites, canals and communications as have been embodied in them have not been surveyed on the ground but entered from outside information

Owing to the serious financial situation in 1931, the establishment of the department was severely cut down and its annual expenditure halved, in consequence of which the modern survey of India cannot now be completed before 1950

The obsolescence of the present series of modern maps of India is shewn in the second index map at the end of this report

Large Scale Surveys—Surveys and records of international, state and provincial boundaries have always formed an important item of topographical work, and in recent years numerous Guide Maps have been published of important cities and military stations where the 1 inch to 1 mile scale is inadequate

Miscellaneous—While expending on topographical and geodetic work all funds allotted by Imperial Revenues, the department is prepared to undertake or aid local surveys, on payment by those concerned, such as

Forest and cantonment surveys,
Riverin, irrigation, railway and city surveys,
Surveys of tea gardens and mining areas, with such control levelling as is necessary for these operations

Administrative assistance is also given, and executive officers, lent in aid of the revenue surveys of various Provinces and States

The Printing Offices at Calcutta and Dehra Dun also carry out work for other Government departments, such as special maps, illustrations for Reports and all diagrams for patents

The Mathematical Instrument Office of this department assists all Government departments, as well as non officials, by maintaining a high standard of instrumental and optical equipment and by manufacturing and repairing instruments which would otherwise have to be imported from abroad

Military Requirements and Air Survey—The department is also responsible for all survey operations required by the army, and is in a position to meet the rapidly increasing complexity of modern military requirements, especially in air survey

In view of its high military importance, air survey work for civil purposes is receiving all possible encouragement and assistance, and the latest methods of mapping from photographs taken from the ground are being studied experimentally

The flying and photography for air mapping done by this department are at present carried out by the Royal Air Force or the Indian Air Survey Company, a commercial firm with headquarters at Dum Dum

Administration is by the Surveyor General under the Education, Health and Lands Department of the Government of India

The Headquarters Office is at Calcutta under the Assistant Surveyor General and there are four Directors, one for the Map Publication and other technical offices at Calcutta, and three for three of the five Survey of India Circles into which the country is divided, the other two Circle areas (covering Burma and South India) are administered personally by the Surveyor General

Of the three Circle Directors, one also administers the Geodetic Branch at Dehra Dun in addition to his topographical survey Circle

Any enquiries regarding surveys, maps or publications may be addressed either to the Headquarters Office or to the Survey Director or Independent Party concerned, whose addresses are Director, Map Publication, Calcutta, Director, Geodetic Branch, Dehra Dun Director, Frontier Circle, Simla Director, Eastern Circle, Shillong, Officer in charge, No 6 (South India) Party, Bangalore and Officer in Charge, No 10 (Burma) Party, My mjo

Indian Science Congress—The Indian Science Congress was founded largely owing to the efforts of Prof P S Macmahon and Dr J L Simonsen. These two gentlemen worked jointly as Honorary General Secretaries of the Congress till 1921. The Asiatic Society of Bengal undertakes the management of the Congress finances and publishes annually the proceedings of the Congress. The objects are (1) to encourage research and to make the results generally known among science workers in India, (2) to give opportunities for personal intercourse and scientific companionship and thus to overcome to some extent one of the chief drawbacks in the life of workers in science in India, (3) to promote public interest in science, for this end the Congress is held at different centres annually, and evening lectures open to the public form an important part of the proceedings of each Congress

The Congress, which is progressive and vigorous, meets in January each year, the proceedings last for six days. The Herd of the Local Government is Patron of the Congress, the Congress session is opened by a Presidential Address delivered by the President for the year. The President is chosen annually, the different sections being represented in turn. The sections are (1) Agriculture, (2) Physics and Mathematics, (3) Chemistry and Applied Botany, (4) Zoology and Ethnography, (5) Botany, (6) Geology, (7) Medical Research, when the sections meet separately each section is presided over by its own President also chosen annually. The mornings are devoted to the reading and discussion of the papers, the afternoons to social functions and visits to places of interests, in the evenings public lectures are delivered

The Indian Research Fund Association—This Association, which is a much older body than the National Research Council in England, was constituted in 1911 with a sum of rupees five lakhs (£33,000) set aside as an endowment for the prosecution and assistance of research, the propagation of knowledge and experimental

Posts and Telegraphs.

POST OFFICE.

The control of the Posts and Telegraphs of India is vested in an officer designated Director General of Posts and Telegraphs whose office is attached to the Department of Industries and Labour of the Government of India. For the efficient working of the Department a representative of the Finance Deptt—the Financial Adviser, Posts and Telegraphs—has been attached to the office or the D G P & T. The Financial Adviser not only controls the finances of the Dept but also assists the D G generally in examining matters containing financial implications in which the former is assisted by the Deputy Director General, Finance. The superior staff of the Direction, in addition to the Director-General himself, consists on the postal side of one Senior Deputy Director-General, one Deputy Director-General (postal services), five (including one temporary) Asstt Deputy Director-General and one Personal Assistant to the Director General.

For postal purposes, the Indian Empire is divided into nine circles namely, Bengal and Assam, Bihar and Orissa, Bombay, Burma, Central, Madras, Punjab and North-West Frontier, United Provinces and Sind and Baluchistan. Each of the first eight is in charge of a Postmaster-General and the Sind and Baluchistan Circle is controlled by a Director of Posts & Telegraphs. The Central Circle comprises roughly the Central Provinces and the Central India and Rajputana Agencies.

The Postmasters General are responsible to the Director General for the whole of the postal arrangements in their respective circles, including those connected with the conveyance of mails by railways and inland steamers. All the Postmasters-General are provided with Deputy and Assistant Postmasters-General. The nine Postal Circles are divided into Divisions each in charge of a Superintendent of Post Offices or Railway Mail Service as the case may be and each Superintendent is assisted by a certain number of officials styled Inspectors.

Generally there is a head post office at the head quarters of each revenue district and other post offices in the same district are usually subordinate to the head office for purposes or accounts. The Postmasters of the Calcutta,

Bombay, and Madras General Post Offices and of the larger of the other head post offices are directly under the Postmasters-General. The Presidency Postmasters, indeed, have one or more Superintendents subordinate to them. When the duties of the Postmaster or a head office become so onerous that he is unable to perform them fully himself a Deputy Postmaster is appointed to relieve him of some of them, and if still further relief is required, one or more Assistant Postmasters are employed. The more important of the offices subordinate to the head office are designated sub offices and are usually established only in towns of some importance. Sub-offices transact all classes of postal business with the public, submit accounts to the head offices to which they are subordinate incorporating therein the accounts of their branch offices, and frequently have direct dealings with Government local sub treasuries. The officer in charge of such an office works either single-handed or with the assistance of one or more clerks according to the amount of business.

Branch offices are small offices with limited functions ordinarily intended for villages, and are placed in charge either of departmental officers on small pay or of extraneous agents such as school-masters, shopkeepers, landholders or cultivators who perform their postal duties in return for a small remuneration.

The audit work of the Post Office is entrusted to the Accountant-General, Posts and Telegraphs, who is an officer of the Finance Department of the Government of India and is not subordinate to the Director-General. The Accountant-General is assisted by Deputy Accountants-General, all of whom, with the necessary staff of clerks, perform at separate head-quarters the actual audit work of a certain number of postal circles.

In accordance with an arrangement which has been in force since 1883, a large number of sub-post offices and a few head offices perform telegraph work in addition to their postal work and are known by the name of combined offices. The policy is to increase telegraph facilities everywhere and especially in towns by opening a number of cheap telegraph offices working under the control of the Post Office.

The Inland Tariff (which is applicable to Ceylon and Portuguese India except as indicated below) is as follows—

	When the postage is prepaid.	When the postage is wholly unpaid.	When the postage is insufficiently prepaid.
<i>Letters</i>	Annas Pies		
Not exceeding two and a half tolas	1 3	Double the prepaid rate (chargeable on delivery)	Double the deficiency (chargeable on delivery)
Every additional two and a half tolas or part of that weight	1 3		
<i>Book and pattern packets</i>			
Every 5 tolas or part of that weight	0 6		

Postcards

Single	9 pica
Reply	1 anna 6 pica
(The postage on cards of private manufacture must be prepaid in full)	

Parcels (prepayment compulsory)

Parcels not exceeding 800 tolas in weight —	Rs a
Not exceeding 20 tolas	0 2
Exceeding 20 tolas but not exceeding 40 tolas	0 4
For every additional 10 tolas or part of that weight	0 1

Registration is compulsory in the case of parcels weighing over 440 tolas

These rates are not applicable to parcels for Portuguese India

In the case of parcels for Ceylon a registration fee of 3 annas is chargeable on each parcel in addition to the rates shown above

Registration fee

For each letter, postcard, book or pattern packet, or parcel to be registered	0 3
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Ordinary Money Order fees

On any sum not exceeding Rs 10	0 2
On any sum exceeding Rs 10 but not exceeding Rs 25	0 4
On any sum exceeding Rs 25 upto Rs 600	0 4

for each complete sum of Rs 25, and 4 annas for the remainder, provided that, if the remainder does not exceed Rs 10, the charge for it shall be only 2 annas

Telegraphic money order fees—The same as the fees for ordinary money orders plus a telegraph charge calculated at the rates for inland telegrams for the actual number of words used in the telegram advising the remittance, according as the telegram is to be sent as an "Express" or as an "Ordinary" message. In addition to the above a supplementary fee of two annas is levied on each inland telegraphic money order

In the case of Ceylon the telegraph charge is calculated at the rates shown below —

Express—Rs 2 for the first 12 words and 3 annas for each additional word

Ordinary—Re 1 for the first 12 words and 2 annas for each additional word. Telegraphic money orders cannot be sent to Portuguese India

Value payable fees—These are calculated on the amount specified for remittance to the sender and are the same as the fees for ordinary money orders

Insurance fees

	A	p
Where the value insured does not exceed Rs 100	0	3
Where the value insured exceeds Rs 100 but does not exceed Rs 150	0	4
Where the value insured exceeds Rs 150 but does not exceed Rs 200	0	5
For every additional Rs 100 or fraction thereof over Rs 200 and upto Rs 1,000	0	2
For every additional Rs 100 or fraction thereof over Rs 1,000	0	1

As regards Portuguese India see Foreign Tariff

Knowledge fee—For each registered article 1 anna

The Foreign Tariff (which is not applicable to Ceylon or to Portuguese India except in respect of insurance fees for parcels and parcel postage) is as follows —

Letters

To Great Britain and Northern Ireland (Egypt, including the Sudan) and all British Colonies, Dominions and possessions except Palestine and Transjordan	2½ annas for the first ounce and 2 annas for each additional ounce or part of that weight
To other countries, colonies or places	3½ annas for the first ounce and 2 annas for every additional ounce or part of that weight

Postcards, Single	2 annas
Reply	4 annas

Printed Papers—½ anna for every 2 ounces or part of that weight

Business Papers—For a packet not exceeding 10 ounces in weight 3½ annas. For every additional 2 ounces or part of that weight 3 annas

Samples—1½ annas for first 4 ounces and 2 annas per 2 ounces thereafter

Parcels

(i) Parcels not exceeding 20 lbs in weight and addressed to Great Britain and Northern Ireland are forwarded as mails to the British Post Office, the rates of postage applicable to such parcels being as follows —

Via Gibraltar Overland

For parcel—	Rs	a	p	Rs	a	p
Not over 3 lbs	1	8	0	1	13	6
Over 3 lbs, but not over 7 lbs	2	12	0	3	1	6
" 7 " " 11 "	3	15	0	4	2	6
" 11 " " 20 "	6	3	0	7	3	0

These parcels are delivered by the post office and the postage paid carries them to destination

(a) Parcels which exceed 11 lbs but which do not exceed 50 lbs (the maximum allowed) in weight are forwarded from India through the medium of the P & O S N Co and are delivered at destination under arrangements made by that Company. The postage charge applicable to such parcels is twelve annas for each pound, or fraction of a pound. The parcels are delivered free of charge within a radius of one mile from the Company's Head Office in London, if addressed to any place beyond that radius, carrier's charges are levied from the addressees on delivery. Parcels thus forwarded through the P & O S N Co cannot be insured during transit beyond India, but must, if they contain coin, etc., be insured during transit in India. No acknowledgment of delivery can be obtained in respect of these parcels nor can such parcels be transmitted to Great Britain and Northern Ireland under the value payable system.

Limits of Weight

Letters—4 lbs 6 oz

Printed Papers and Business Papers—To Great Britain and Northern Ireland, and the Irish Free State, British Australasian Colonies, Hong Kong, the Straits Settlements, Togo (British), the Union of South Africa, Rhodesia, and the Bechuanaland Protectorate—5 lbs

To Ceylon—No limit

To all other destinations—4 lbs 6 oz

Samples—To Great Britain and Northern Ireland, and the Irish Free State, Hong Kong, the Straits Settlements, Togo (British), the Union of South Africa, Rhodesia, and the Bechuanaland Protectorate—5 lbs

To Ceylon—200 tolas

To all other destinations—1 lb 2 oz

Parcels—11 lbs or 20 lbs

Limits of Size

Letters—1½ feet length by 1½ feet in width or depth. If in form of roll, 2½ feet in length and 4 inches in diameter

Printed Papers and Business Papers—To Ceylon—2 feet in length by 1 foot in width or depth

To all other destinations—1½ feet in length by 1½ feet in width or depth

If in form of roll, dimensions in all cases are 30 inches in length and 4 inches in diameter

Samples—To Great Britain and Northern Ireland, and the Irish Free State, Ceylon, Hong Kong, the Straits Settlements, the Union of South Africa, Rhodesia and the Bechuanaland Protectorate—2 feet in length by 1 foot in width or depth

To all other destination—1½ feet in length by 8 inches in width and 4 inches in depth

If in form of roll, dimensions in all cases are 1½ feet in length and 6 inches in diameter

Money Orders—To countries on which money

orders have to be drawn in rupee currency, the rates of commission are as follows—

	Rs	a
On any sum not exceeding Rs 10	0	3
On any sum exceeding Rs 10 but not exceeding Rs 25	0	6
On any sum exceeding Rs 25	0	6
for each complete sum of Rs 25 and 6 annas for the remainder, provided that, if the remainder does not exceed Rs 10, the charge for it shall be only 3 annas		

To countries on which money orders have to be drawn in sterling, the rates are as follows—

	Rs	a
On any sum not exceeding £1	0	4
" " exceeding £1 but not exceeding £2	0	7
" " " £2 " £3	0	10
" " " £3 " £4	0	13
" " " £4 " £5	1	0
" " " £5	1	0

for each complete sum of £5 and 1 rupee for the remainder, provided that if the remainder does not exceed £1, the charge for it shall be 4 annas, if it does not exceed £2, the charge shall be 7 annas, if it does not exceed £3, the charge shall be 10 annas, and if it does not exceed £4, the charge shall be 13 annas

Insurance fees (for registered letters and parcels only)

For insurance of letters and parcels to Mauritius, British Somaliland, the Seychelles, and of parcels to Iraq, Zanzibar and Portuguese India

Where the value insured does not exceed Rs 180

For every additional Rs 180 or fraction thereof

For insurance of letters and parcels to Great Britain and Northern Ireland and to British Possessions and Foreign countries (other than those mentioned above) to which insurance is available

Where the value insured does not exceed £12

For every additional £12 or fraction thereof

Acknowledgement fee—3 annas for each registered article

Magnitude of business in Post Office—At the close of 1932-'3 there were 106,480 postal officials, 23,800 post offices, and 167,170 miles of mail lines. During the year, 1,121 million articles, including 42½ million registered articles were posted, stamps worth Rs 62 4 millions were sold for postal purposes over 36 7 million money orders of the total value of Rs 762 millions were issued, a sum of Rs 192 millions was collected for tradesmen and others on V P articles, over 3 8 million insured articles valued at 1,095 7 millions of rupees were handled. Customs duty, aggregating over 8 3 million rupees was realised on parcels and letters from abroad pensions amounting to Rs 16 4 millions were paid to Indian Military pensioners and 15,000 lbs of quinine were sold to the public. On the 31st March 1933, there were 2,737,000 Savings Bank accounts with a total balance of Rs 434 5 millions and 84,700 Postal Life Insurance policies with an aggregate assurance of Rs 158 5 millions,

The fourth part of the Telegraph Department is the last of the four, and is entrusted to the American and French Engineers, who are assisted by a staff of British and American Engineers.

Inland Telegrams and Tariff - Telegrams sent or received from any place in India or Colonies are charged as inland telegrams. The tariff for such telegrams is as follows: -

	For delivery in full		For delivery in installments	
	Price	Quantity	Price	Quantity
1. <i>For delivery in full</i>				
2. <i>For delivery in installments</i>				
3. <i>For delivery in full</i>				
4. <i>For delivery in installments</i>				
5. <i>For delivery in full</i>				
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66. <i>For delivery in installments</i>				
67. <i>For delivery in full</i>				
68. <i>For delivery in installments</i>				
69. <i>For delivery in full</i>				
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84. <i>For delivery in installments</i>				
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86. <i>For delivery in installments</i>				
87. <i>For delivery in full</i>				
88. <i>For delivery in installments</i>				

Minimum for reply, add tel. rate	Min. one charge for an ordinary telegram
Notice of delivery	Min. one charge for an ordinary telegram
Multiple telegrams, each 100 words or less	4 annas
Cable	One half of the charge for ordinary tel- egram of same length
	Rs

<p>For acceptance of an Express telegram during the hours when an office is closed</p>	<p>If both the offices of origin and destination are closed</p>	<p>2</p>
	<p>If only one of the offices is closed</p>	<p>1</p>
	<p>If the telegram has to pass through any closed interme- diate office an additional fee in respect of each such office</p>	<p>1</p>

Signalling by flag or semaphore to or from ships—per telegram

The usual land charge plus a fixed fee of 8 pns

Bort hire	.	Amount actu-
		ally neces-ary

Copies of telegrams each 100
words or less 1 annas

Press telegrams	1 or delivery in India		1 or delivery in Ceylon	
	1 p- press Rs a	Ord- inary Rs a	1 p- press Rs a	Ord- inary Rs a
Minimum charge	1 0	0 8	1 0	
Each additional words over 18 in respect of India, each additional four words over 32 in respect of Ceylon	0 2	0 1	0 2	
The address is free				

Surcharge on telegram—A surcharge of two annas or one rupee according to the class of telegram "Express" or "Ordinary" is levied on every inland "Sent" telegram. This surcharge does not apply to press telegrams nor to telegram to Ceylon.

Foreign Tariff—The charges for foreign telegrams vary with the countries to which they are addressed. The rates per word for telegram to countries in Europe, America etc. are as follows—

Only Delt DLT
Rs a Rs a Rs a

Europe & I R C

Great Britain and Northern Ireland	0 15	0 7	0 5
Irish Free State	1 0	0 5	0 5
Belgium	1 2	0 9	0 6
Holland	1 2	0 9	0 6
Germany	1 4	0 10	0 7
Switzerland	1 4	0 10	0 7
Spain	1 4	0 10	
France	1 5	0 10	0 7
Italy City of the Vatican	1 5	0 10	
Other Offices	1 4	0 10	0 7

Norway—

Svalbard	1 7	0 11	
Other Places	1 4	0 10	0 7
Bulgaria	1 5	0 10	0 10
Russia	1 5	0 10	0 7
Turkey	1 5		
Czecho Slovakia	1 5	0 10	0 7

South Africa via I R C—
Zanzibar

Union of South Africa and S W Africa	1 15	0 15	0 8
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America via I R C—

N A Cables

Ontario, Quebec, Nova Scotia, etc	1 11	0 13	0 9
Manitoba	2 1	1 2	0 11
Vancouver B C	2 3	1 12	0 12
New York, Boston, etc	1 11	0 13	0 9

	Ord Rs a	Delt Rs a	DLT Rs a
Philadelphia, Washington etc	1 13	0 14	0 10
Chicago	2 0	1 0	0 11
San Francisco, Seattle, etc	2 3	1 1	0 12
Buenos Aires	3 7	1 11	
Rio de Janeiro	3 10	1 13	
Valparaiso	3 7	1 11	
Havana	2 5	1 2	
Manila	3 1	1 10	

Transtelegrams—

Rate double of ordinary rate

Only Letter Telegrams—

Minimum charge for 25 words

Ordinary rate telegrams may be written in Code

Telegrams are accepted at all Government Telegraph Offices

Local rules apply regarding Registration, Policy, Paid, etc

Full lists published in Posts and Telegraphs Guide

Radio-Telegrams—1 or radio telegrams addressed to ships at sea from offices in India or Burma and transmitted to the coast stations at Bombay, Calcutta, Karachi, Madras, Port Blair or Rangoon the charge is thirteen annas per word in nearly all cases.

The following are the charges (excluding supplementary charges) for radio telegrams from Offices in India or Burma transmitted to ships at sea through the coast stations mentioned in the preceding paragraph—

Total charge
per word
Rs a

- (1) All Government or Private Radio telegrams excepting those mentioned in (2) to (4) below 0 13
- (2) Radio telegrams to His Britannic Majesty's Ships of War or Ships of the Royal Indian Marine 0 8
- (3) Radio telegrams to Spanish or Swedish ships 0 12

The sender of a radio telegram may prepay a reply. He must insert before the address, the instruction "R P" followed by mention in Rupees and annas of the amount prepaid, e.g., R P 7 8. This expression counts as one word.

DAILY LETTER-TELEGRAMS

Daily Letter Telegrams in plain language, which are dealt with telegraphically through out are accepted on any day of the week, and are ordinarily delivered to the addressee on the morning of the second day following the day of booking. They are subject to the conditions prescribed for Deferred Foreign telegrams with certain exceptions as stated below.

The charge for a Daily Letter Telegram is ordinarily one third of the charge for a full rate telegram of the same length and by the same route subject to a minimum charge equal to the charge for 25 words at such reduced rate including the indication D.L.

The late fee system does not apply to Daily Letter-Telegrams and such telegrams are not accepted during the closed hours of the office.

On Indian lines Daily Letter Telegrams are transmitted after Deferred Foreign telegrams.

The only special services admitted in daily letter telegrams are Reply paid, Poste Restante, Telegraph restant and telegraph re-direction under orders of the addressee.

Growth of Telegraphs—At the end of 1897-98 there were 30,300 miles of line and 155,088 miles of wire and cable, as compared with 107,160 miles of line including cable and 587,574 miles of wire including conductors respectively, on the 31st March 1933. The numbers of departmental telegraph offices were 257 and 115 (including 19 Radio offices), respectively, while the number of telegraph offices worked by the Post Office rose from 1,634 to 4,274.

The increase in the number of paid telegrams dealt with is shown by the following figures—

		1897-98	1932-33
Inland	{ Private	4,107,270	11,711,350
	{ State	800,382	8,52,069
	{ Press	37,910	679,701
Foreign	{ Private	735,679	2,219,685
	{ State	9,896	28,556
	{ Press	5,278	71,894
		<u>5,754,415</u>	<u>15,593,255</u>

The outturn of the workshops during 1930-31 represented a total value of Rs 10,53,500.

Wireless—The total number of departmental wireless stations open at the end of 1932-33 was thirty, viz., Akbar Allahabad, Basrah, Bombay, Calcutta, Chudubya, Chittagong, Delhi, Diamond Island, Fodhipur, Jutogh, Karachi, (two stations), Lahore, Madras (3 stations), Nagpur, Peshawar, Poona, Port Blair, Quetta, Rangoon (1 station), Sandheads (two pilot-vessels), Sandown and Victoria Point of which only Chudubya Port Blair and Victoria Point booked telegrams direct from the public.

Seven of these stations were designated coast stations for communication with ships at sea and ten worked as aeronautical stations in connection with regular air services.

The Duplex high speed service between Rangoon and Madras continued to work satisfactorily, the whetstone system being employed generally for this circuit.

Telephones—On the 31st March 1933 the number of telephone exchanges established by the Department was 317 with 19,025 straight line connections and 3,084 extension telephones. Of these exchanges, 169 were worked departmentally. The number of telephone exchanges established by Telephone Companies was 25 with 35,200 connections.

The total staff employed on telegraphs, telephones and wireless on the 31st March 1933 was 13,500.

Posts and Telegraphs—The capital outlay of the Indian Posts and Telegraphs Department during and to the end of the year 1932-33 was Rs 10,37,750 and Rs 15,82,84,000 respectively. The receipts for the year ended 31st March 1933 amounted to Rs 10,53,40,000 and charges (including interest on capital outlay) to Rs 10,97,30,000, the result being a net loss of Rs 43,89,000.

Sanitation.

The history of the sanitary departments in India goes back for about sixty years. During that period great improvements have been effected in the sanitary condition of the towns, though much remains to be done, but the progress of rural sanitation which involves the health of the great bulk of the population has been slow, and incommensurate with the thought and labour bestowed on the subject. "The reason lies in the apathy of the people and the tenacity with which they cling to domestic customs injurious to health. While the inhabitants of the plains of India are on the whole distinguished for personal cleanliness, the sense of public cleanliness has ever been wanting. Great improvements have been effected in many places, but the village house is still often ill-ventilated and over-populated, the village site dirty, crowded with cattle, choked with rank vegetation, and poisoned by stagnant pools, and the village tanks polluted, and used indiscriminately for bathing, cooking and drinking. That the way to improvement lies through the education of the people has always been recognised."

Of recent years the pace has been speeded up as education progressed, education developed, and funds were available. In a resolution issued in May 23rd, 1914, the Government of India summarised the position at that time, and laid down the general lines of advance. This resolution (*Gazette of India*, May 25th, 1914) should be studied by all who wish to understand the attitude of the Government of India towards sanitation prior to the passing of the Reform Act of 1919. It will be found summarised in the Indian Year Book of 1922 (page 475 *et seq.*) and earlier editions. One of the greatest changes effected by the Reform Act of 1919 was the transfer of sanitation to the provinces making it a subject directly responsible to local control through Ministers. It is yet too early to attempt to indicate the effects of this change.

The Public Health Commissioner with the Government of India in a general review of health organisation in British India which he laid in January, 1928, before the Interchange Study Tour organised for Medical Officers of Health from the Far Eastern Countries by the Health Organisation of the League of Nations, concluded "that the State effort in regard to Health Organisation in British India is one of no mean importance, that it has evolved over a couple of centuries during which many mistakes in policy must be admitted, that it has provided the Officers and the stimulus necessary for laying the foundations of medical education, that it has tried to uphold the ethical standards of western medicine and that in which ever way it is regarded it is an effort of which no Government need be ashamed." He quoted, the remark of the Government of India in their Resolution of 1914 that "in the land of the ox cart one must not expect the pace of the motor car."

The Public Health Commissioner in his annual report for the year 1925 noted the introduction of the political element into health matters as a result of the Reforms and said that the improvements being introduced before the Reforms were in some provinces now in a fairway, to maturing but that in other provinces "with less appreciation of the actual needs so far from adding to the organisation as they have found it have shown a desire to scrap even some of what they originally possessed." But, he says, "though the picture is neither bright nor the future rosy, it is becoming increasingly evident that a considerable section of the Indian community is thinking seriously on these public health problems amid much futile and destructive criticisms of State and municipal efforts here and there valuable and suggestive criticism can be met with which goes to prove my contention."

India's birth rate in 1925 was nearly twice that of England and Wales, her death rate was twice that of England and Wales and nearly three times that of New Zealand and her infantile mortality rate was nearly 2½ times that of England and Wales and nearly 4½ times that of New Zealand. "The information furnished for the great group of infectious diseases of world import, *i.e.*, plague, cholera, small-pox, yellow fever, typhus, malaria, and dysentery shows (says the Public Health Report already cited) that if we except typhus and yellow fever, India is one of the world's reservoirs of infection for the others and the main reservoir of infection for plague and cholera." The significance of these facts must, adds the Commissioner, be obvious to all who think. "Briefly their implication is that India's house, from the public health point of view, is sadly out of order and that this disorder requires to be attended to. It is not for India to say that so far as she is concerned prevention is impossible. If we think of the effect of sunlight on tubercle ridden children, of the effect of feeding on rickets, scurvy and beri-beri, of the way in which malaria, cholera, yellow fever, dengue, ankylostomiasis and filariasis can be and have been overcome we need have no fear in regard to India provided the necessary measures are put into operation."

The Public Health Commissioner in an address before the annual congress of the Far Eastern Association of Tropical Medicine, held in Calcutta in December, 1927, urged the importance of instituting a Central Ministry of Health which should be charged with the functions of co-ordinating the policies and activities of the departments concerned in the several provinces and with keeping them abreast of scientific progress. There is at present no public Health Act for the whole of India, nor under existing administrative arrangements is one immediately possible, but the desirability of the Central Ministry of Health and of such an Act is likely to be urged in the course of the revision of the Constitutional Reforms now in progress.

Chief Causes of Mortality—There are three main classes of fatal diseases specific fevers diseases affecting the abdominal organs, and lung diseases, Intestinal and skin parasites, ulcers and other indications of scurvy widely prevail. The table below shows the number of deaths from each of the principal diseases and from all other causes in British India and death rates per 1,000 during 1931.—

Mortality during 1931.

D—Deaths

R—Ratio per mille

Province	Cholera	Small pox	Plague	Fevers	Dysentery and Diarrhoea	Respiratory Diseases	All other causes
Delhi	{ D 61 R 0 1	{ 26 0 0	{ 1 0 0	{ 7,026 11 0	{ 513 0 8	{ 4,348 6 8	{ 3,111 4 9
Bengal	{ D 79,073 R 1 6	{ 9,207 0 2	{ 1 0 0	{ 731,784 14 7	{ 42,764 0 9	{ 62,351 1 2	{ 188,132 3 7
Bihar and Orissa	{ D 40,943 R 1 1	{ 8,028 0 2	{ 5,429 0 1	{ 729,447 19 4	{ 24,085 0 6	{ 7,013 0 2	{ 187,754 5 0
Assam	{ D 5,523 R 0 7	{ 594 0 1		{ 93,189 11 8	{ 9,399 1 2	{ 5,895 0 7	{ 33,517 4 2
U Provinces	{ D 31,118 R 0 6	{ 3,355 0 1	{ 31,225 0 6	{ 1,025,285 21 2	{ 15,641 0 3	{ 36,612 0 8	{ 162,272 3 3
Punjab	{ D 391 R 0 0	{ 3,646 0 2	{ 1,150 0 0	{ 416,974 17 8	{ 14,284 0 6	{ 55,317 2 4	{ 117,454 5 0
N W F P	{ D 105 R 0 0	{ 62 0 0		{ 38,959 16 5	{ 245 0 1	{ 2,230 1 0	{ 6,163 2 6
C P & Berar	{ D 14,135 R 0 9	{ 4,586 0 3	{ 1,642 0 1	{ 294,839 19 0	{ 44,665 2 9	{ 42,537 2 7	{ 148,183 9 6
Madras	{ D 30,232 R 0 7	{ 4,660 0 1	{ 1,073 0 0	{ 331,834 7 3	{ 83,838 1 9	{ 93,222 2 1	{ 527,713 11 6
Coorg	{ D 116 R 0 7	{ 24 0 1	{ 25 0 1	{ 2,920 17 9	{ 112 0 7	{ 251 1 5	{ 439 2 7
Bombay	{ D 18,646 R 0 8	{ 1,873 0 1	{ 3,506 0 2	{ 195,139 8 9	{ 26,517 1 2	{ 97,969 4 5	{ 175,727 8 1
Burma	{ D 534 R 0 0	{ 490 0 0	{ 1,574 0 1	{ 75,297 6 2	{ 6,052 0 5	{ 12,016 1 0	{ 114,146 9 4
Ajmer Merwara	{ D 32 R 0 0	{ 721 1 3		{ 13,407 24 0	{ 216 0 4	{ 533 0 9	{ 1,956 3 5
TOTAL	{ 1931 { D 220,909 R 0 8	{ 37,272 0 1	{ 45,626 0 2	{ 3,956,100 14 9	{ 268,331 1 0	{ 420,294 1 6	{ 1,666,567 6 3
	{ 1930 { D 337,322 R 1 4	{ 72,813 0 3	{ 24,841 0 1	{ 3,787,694 15 7	{ 237,892 1 0	{ 400,527 1 7	{ 1,622,360 6 7

Statistical health reports for all India are always, inevitably submitted are belated owing to the number of provinces from which returns have to be collated

The Public Health Commissioner in his most recently published annual report which concerns the year 1931, brings to notice certain leading facts. He shows that the birth rate for the year was 44.3 per mille of the 1931 census population as compared with 33.1 p.m. of the estimated population for 1930 and 35.7 p.m. for the preceding quinquennium. He shows that the death rate was 24.8 p.m. of the 1931 census population as against 21.5 p.m. on the estimated population for 1930 and 26.0 p.m. for the preceding quinquennium. The infantile mortality rate, i.e., the death rate of infants below one year old per thousand live births, was 178.8 as against 180.8 in 1930 and 177.6 in the preceding quinquennium. The highest birth rate was recorded in the Central Provinces where the figure was 44.1 per mille (43.5 p.m. in 1930 and quinquennial average 46.0) and the lowest in Coorg, where it was 21.5 p.m. (25.7 p.m. in 1930 and quinquennial mean 21.1).

The Public Health Commissioner, dealing specially with the high rate of infantile mortality, mentions that statistics of the causes of these early deaths are not recorded but says that it is generally known that premature birth, convulsions, fever, malnutrition, respiratory diseases and bowel complaints are the main causative features. In a special chapter dealing with municipal vital statistics, he shows that to a considerable extent unskilled maternity service is responsible for high infant mortality rates in municipalities and that steps have been and are being taken in these areas to eliminate the risks.

Dr. Ruth Young, Director of the Maternity and Child Welfare Bureau of the Indian Red Cross Society, in some notes contributed to the Public Health Commissioner's report on this subject says that "One is forced to a monotonous repetition of the statement that progress (in maternity and child welfare work in India) is very slow, that local bodies and even provincial governments evince little interest in the work and have no convictions about it sufficient to prompt them to spend money on such a subject". On the basis of figures specially collected in the Madras Presidency, she says in regard to that field of international health province that "trained health workers are almost absent and the number of midwives available work out at about one for every 1,300 cases of child-birth per annum. One medical woman in about 7,000 cases is all that is available as a consultant in labour cases. Work is almost entirely unsupervised and without expert guidance". Dr. Young adds "The difficulties attending the provision of trained attendants for women during child-birth do not decrease as the years go by. The problem is such a gigantic one that it tends to induce a feeling of despair. One of the difficulties of training midwives is the comparative uselessness of employing medical men for the purpose, because such practitioners have not the opportunities to give practical instruction on actual deliveries

to the midwives and training which consists mainly of lectures is quite unsuited to such pupils. While "the number of medical women can spare time to carry on such work is very small and very few also have the inclination to do it". A satisfactory feature of the position is that women are increasingly taking advantage of hospitals and maternity homes for their confinements.

The Health Commissioner shows in regard to the general statistics that the registration of cases of death in India is still very defective and is likely to remain so. The Commissioner once more reiterates the demand that he has so often made for strengthening the central health organisation of India. He emphasises afresh the catastrophic nature of disease visitations in India, more especially those of cholera, smallpox and plague, and the paramount necessity for preserving not only the public health organisation which has hitherto existed, but also the principle of its skilled direction by competent and well experienced hygienists. He shows that as a result of the retraining campaign "the whole of the central health work of the Government of India has now to be dealt with by the Public Health Commissioner unaided. He adds "One must bow to the penalties of financial stringency more especially if this be on a world wide scale, but the voice of intelligent Indian opinion must sooner or later be heard on this both inside and outside the legislative chambers. Such opinion will surely demand an organisation which is capable of framing a public health policy for the country and of seeing that it is carried through. It will surely wish to see to it that the personnel for this is adequate and to this end its political representatives must be prepared to vote such grants as are necessary for the expenditure.

No big health policy for this country which is to be worthy of the name can be elaborated and worked to without the necessary expert administrative machinery which has its price like any other commodity."

Referring to the impression which persists in certain quarters that the transfer of executive control of public health to the provinces has removed the need for adequate central health organisation, he points out how absurdly inconsistent this is with the facts of the position, one which he uses for illustration being the obligations of the Government of India in the field of International health.

The Public Health Commissioner concludes "The great hope of the future must lie in the development of health education and, as a corollary, the gradual appreciation by the educated population of the value of health and so the creation of public health conscience. Until this has happened there will be little hope for the exercise of that intelligent pressure on provincial Governments for judicious expenditure on certain health measures which is not only justifiable but necessary.

THE HEALTH OF THE ARMY

General Health Statistics of the British Army in India

HEALTH OF THE INDIAN ARMY FOR THE YEAR 1932

	Average strength	Admissions		Deaths		Invalids sent to U K		Invalids discharged in India		Average constantly sick	
		No	Ratio per 1,000	No	Ratio per 1,000	No	Ratio per 1,000	No	Ratio per 1,000	No	Ratio per 1,000
Officers	2,175	700	321.8	1	6.90	26	11.95			24	36
Indian Rank	121,013	32,017	129.8	305	2.52			78	6.47	1,002	23
Followers	28,218	7,525	266.1	109	1.86					266	35
Others *	2,094			2				73			

* Includes Reservists, Indian Territorial Force, Royal Indian Marine, Indian State Forces R. A. F., Civilians and Prisoners.

The admission rate of officers sick in hospital for 1932 was 321.8 per thousand of strength as compared with 367.1 in 1931. Among soldiers 52,017 or 429.8 per thousand of strength were admitted to hospital, compared with 451.3 per thousand in 1931. There was thus a decrease of 21.5 per thousand on the 1931 figures. The death rate among Indian soldiers during 1932 was 2.52 per thousand as against 2.96 per thousand in 1931.

LEPROSY IN INDIA

It is exceedingly difficult to give anything approaching an accurate estimate of the total number of lepers in the Indian Empire to day. In 1921, when a Census was made, leprosy was regarded as an *infirmity* like blindness, insanity and deaf-mutism and the supposed number of lepers was tabulated along with these. The number counted was 102,513 as against 109,094 in 1911. But it was recognised doubtful if this figure represented anything more than the more advanced cases and that possibly a majority of this number were the begging and pauper lepers who are seen all over the country. Dr T. Muir, M.D., F.R.C.S., the Leprosy Research Worker at the Calcutta School of Tropical Medicine, said that "recent figures obtained from a carefully conducted but limited survey, tend to confirm the computation that there are roughly from a half to one million people in India suffering from leprosy."

Early in the year 1924, the British Empire Leprosy Relief Association was constituted in England with H. R. H. The Prince of Wales as Patron, the Viscount Chelmsford as Chairman of the General Committee and H. E. the Viceroy of India as one of the Vice-Presidents. Following its formation and in view of the good results being obtained from the newest treatment of leprosy, H. E. the Viceroy felt that the time was auspicious for the inauguration and carrying on of an earnest campaign with the object of ultimately stamping out leprosy from India.

His Excellency invited certain gentlemen representing various interests to form an Indian Council of the Association, which he formally inaugurated at a public meeting in Delhi on the 27th January 1925.

A general appeal for funds in aid of the Association was issued by His Excellency the Viceroy on the date of the inauguration of the Indian Council which was closed after a year with realizations amounting to over Rs. 20,00,000 which was invested in the end of 1928. The investments amounted to Rs. 20,63,065 yielding an annual revenue of over Rs. 1,22,000.

In the scheme of anti-leprosy campaign which the Association put into operation, the respective parts to be played by the Central and Provincial Committees in carrying forward the aims and objects of the Association are definitely apportioned. The Central Committee is vested with the task of promoting research, of preparing and publishing propaganda material, arranging for the training of doctors in the diagnosis and treatment of leprosy according to the latest methods and of conducting an expert survey of selected areas for the ascertainment of the facts regarding the incidence and endemicity of leprosy. Measures for the accommodation and treatment of leprosy patients and other schemes of purely local interest are to be the concern of provincial committees as agents of the Indian Council in the Provinces.

mology in India, and the Government eye hospitals are doing tremendous work, but these hospitals are situated in the large towns and cannot possibly by any stretch of imagination, give relief to the millions living in the rural areas

The All-India Blind Relief Association—(The Green Star Society) exists to co-ordinate and centralise the various Associations in the mofussil and to extend their work. It is under the patronage of the Governor of Bombay and has for its life President Mr C G Henderson (late I C S) who founded and managed for many years all the branch Associations working in Western India. It is affiliated to the International Association for the Prevention of Blindness, which has its headquarters in Paris and was formed on September 11th 1929, under the auspices of the League of Red Cross

Societies and the American Society for the Prevention of Blindness. The Organising Secretary is R Crawford Hutchinson, The Town Hall, Bombay.

A beginning has been made, but it is only a beginning, and it is but the fringe of this vast problem that has been touched. The schools of ophthalmology in India, are turning out ophthalmic surgeons who are crowding their profession in the cities and large towns. A scheme for taking these men and placing them in selected centres has been worked out, all that is required is monetary help. The cost is minimal and here is an opportunity for the generous and public spirited to emulate Sir Ernest Cassel and give to India an eye service of which India and the whole world could be proud and to the peoples of India that which to them is probably their most precious possession—their sight.

THE MATERNITY AND CHILD WELFARE MOVEMENT.

Amongst the most pressing problems of India's health is that presented by the appalling maternal and infant mortality. The figures for maternal mortality are not accurately known, but they are certainly not less than 10 per thousand live births, often more. It has been calculated that every year no fewer than 2 million Indian babies die, while many others survive only to grow weak and feeble from unhygienic surroundings during infancy. A noteworthy feature has been the further progress of the infant welfare movement, which owes much to the All-India Maternity and Child Welfare League initiated by Lady Chelmsford and also to the Indian Red Cross Society, which aims at gradually establishing a network of child welfare centres in most of the larger towns in India. The amalgamation of these two Bodies which has taken place, forming the Maternity and Child Welfare Bureau, will undoubtedly increase and develop the work. In all the great centres of population, work is now being done for the training of midwives, for the instruction of mothers and for the care of babies. Training centres for Indian and Anglo Indian women have been opened in order to spread the elements of infant hygiene to other parts of India. Most hopeful sign of all, Indian ladies are beginning to interest themselves in this work in large numbers. But such is the magnitude of the field, that a consistent widespread effort on a scale hitherto impossible must be undertaken, if any appreciable reduction is to be made in the appalling mortality of young children.

Centres of Activity are organised on a provincial basis, though the various provinces differ considerably in the nature of the work undertaken and the amount of organisation displayed. It is noteworthy that the work is most co-ordinated and most energetically carried on where there are persons appointed under the Directors of Public Health whose special duty it is to foster Child Welfare activities.

The care needed by the wives and children of sepoys in the Indian Army is being

increasingly realised, and nowhere more than in the units themselves. The result has been, in the last few years the opening of much work in this direction. Much of it is purely medical work which in the absence of families hospitals for the Indian soldiers is a necessity. But genuine child welfare activities are also present in some centres many of them assisted by the M & C W Bureau Indian Red Cross Society, which has undertaken the organising work in place of the Lady Birdwood Army Child Welfare Committee. A remarkable feature of this movement is the keenness of the men themselves to aid it, realising as they do the benefit to their own women and children. There are now very few cantonments where some work of this kind is not going on.

So far all the schemes have devoted their attention to educating women in the elements of mothercraft and attempting to preserve infant lives and improve child health. In a land of so many languages and superstitions progress will necessarily be slow and India has yet to decide whether she will work intensively and try to rear a few well developed children as far as adolescence or extensively attempt to bring a large number of infants through the first critical months, only to have them perish at a later stage from the many ills that childhood is heir to in a land of great poverty, undernourishment, epidemics and famine. In Western lands the Child Welfare Movement has no more marked characteristic than its inability to stop expanding. Its ramifications know no bounds. Its inevitable corollaries are endless, and like the banyan tree it will no doubt in India also develop innumerable fresh roots, medical supervision, dental clinics, better housing, open air playgrounds, etc., etc. But these are not yet. Its preliminary task is to educate the mothers of India to the enormity of allowing two million babies to perish every year and to convince them of the equally important fact that a high death rate always spells also a high damage rate of sickly, under developed, incompetent citizens.

INDIAN RED CROSS SOCIETY

When the war first broke out, what is generally termed Red Cross work was undertaken in India and Mesopotamia by the St John Ambulance Association and by a number of provincial organisations working on independent lines. From August 1916, the central work was taken over by the Indian Branch of the Joint War Committee of the Order of St John of Jerusalem and the British Red Cross Society. The final report of that Committee shows that up to June 1920 its total receipts amounted to Rs 1,77,85,716 of which some 17 lakhs had been contributed by the British Red Cross Society. It had spent about 67 lakhs in Mesopotamia, nine lakhs on the Afghan War and Waziristan Expedition, in Mesopotamia and India combined it had spent on Red Cross objects in all about 117 lakhs.

It closed its career in June 1920 under the following circumstances. In the summer of 1919, an invitation had been received to join the International League of Red Cross Societies having for its object the extension of Red Cross work in the sphere of purely civil activity. Though there was then no formally constituted Red Cross Society in India, the invitation was accepted, thus giving India a distinct position in a world-wide League of humanitarian societies. A Bill to constitute an Indian Red Cross Society was introduced by Sir Claude Hill in the Imperial Legislative Council in March 1920, and duly passed into law as Act XV of 1920. This Act handed over the balance of the Joint War Committee to the new Society, and authorised it not only to direct the utilization for war purposes of the capital funds at its disposal but also to devote the interest, as far as possible, for civil purposes. As contemplated in the Act of Constitution of the Society, its activities are completely decentralized, and are being carried on through twenty-two Provincial and State Branches under which there are numerous sub-branches.

The objects on which the funds of the Society may be spent are—

1 The care of the sick and wounded men of His Majesty's Forces, whether still on the active list or demobilised

2 The care of those suffering from Tuberculosis, having regard in the first place to soldiers and sailors, whether they have contracted the disease on active service or not

3 Child welfare

4 Work parties to provide the necessary garments, etc., for hospitals and health institutions in need of them

5 Assistance required in all branches of nursing, health and welfare work, ancillary to any organisations which have or may come into being in India and which are recognised by the Society

6 Home Service Ambulance Work

7 Provision of comforts and assistance to members of His Majesty's Forces, whether on the active list or demobilised.

The Society has five grades of subscribing Members, namely, Honorary Vice Presidents, Patrons, Vice Patrons, Members and Associate Members. Their respective subscriptions are Rs 10,000, Rs 5,000, Rs 1,000, Rs 12 annually or a consolidated payment of Rs 150, and anything between Re 1 and Rs 5 annually or consolidated payment of Rs 50. At the end of 1933 there were 12,500 adult members of these various grades.

To stimulate interest in the aims and objects of the Society amongst the future generations a Junior Red Cross movement has been instituted which embraces the student population. The Punjab Provincial branch has taken the lead in furthering this movement. Other provinces are now following suit and at the end of 1931 the number of members was 252,941.

Constitution—His Excellency the Viceroy is President of the Society. The Managing Body ordinarily consists of a Chairman to be nominated by the President and 25 members of the Society of whom 12 are the Vice-Presidents nominated by Provincial or State Branches, 8 elected by the Society at the Annual General Meeting from among the members of the Society and 5 nominated by the President.

The present Chairman of the Managing Body is Sir David Petrie, Kt., C.I.E., C.V.O., C.B., and the Organising Secretary, Miss Norah Hill, A.R.R.C.

Finances—The operations of the Joint War Committee were brought to a close in June 1920 with a capital investment of the face value of Rs 56,33,000 and Rs 8,01,500 8 6 in floating and fixed deposit accounts. The Society has since invested further funds in various securities and its finances at the end of December 1933, stood at a capital investment of the face value of approximately Rs 67½ lakhs. The income derived from the capital of the Society, (which is 3½ lakhs at present) after providing for certain liabilities of the Central Society, is distributable under the Act to the Provincial Branches in proportion to their contributions to the Central "Our Day" Fund.

ST JOHN AMBULANCE ASSOCIATION

(Indian Council)

The St John Ambulance Association was founded in 1877, by the Order of the Hospital of St John of Jerusalem in England, and has for its objects —

(a) The instruction of persons in rendering First Aid in cases of accident or sudden illness and in the transport of the sick and injured,

(b) The instruction of persons in the elementary principles and practice of nursing, and also of hygiene and sanitation, especially of a sick room,

(c) The manufacture, and distribution by sale or presentation, of ambulance material, and the formation of ambulance depots in mines, factories, and other centres of industry and traffic,

(d) The Organisation of Ambulance Corps, Invalid Transport Corps, and Nursing Corps,

(e) And generally the promotion of instruction and carrying out of works for the relief of suffering of the sick and injured in peace and war independently of class, nationality, or denomination

An Indian Council of the Association was constituted on a regular basis in 1910. It has since issued over 200,000 certificates of proficiency in First Aid, Home Nursing, Home Hygiene and Sanitation and over 10,000 tokens such as Vouchers, Medallions, Labels and Pendants for special proficiency in those subjects. The object of the Association is not to rival, but to aid, the medical man, and the subject-matter of instruction given at the classes qualifies the pupil to adopt such measures as may be advantageous pending the doctor's arrival, or during the intervals between his visits.

During the year 1933 22,853 persons attended 1,583 courses of instruction in First Aid, Nursing Home, Home Hygiene and Sanitation and of these 13,957 qualified for the Association's

certificates i.e., 12,869 in First Aid, 584 in Home Nursing, 451 in Hygiene and 53 in Sanitation. A new course, Domestic Hygiene and Mothercraft, introduced in 1932 has not made much headway. To popularise Home Nursing and Domestic Hygiene and Mothercraft courses among young girls and women special propaganda was started. Steps were taken during 1933 to arrange first aid courses for the personnel of flying clubs, but the response was poor.

The Association has five grades of members namely, Patrons, Honorary Councillors, Life Members, Annual Members and Annual Associates. Their respective subscriptions are Rs 1,000, Rs 500, Rs 100, Rs 5, and Rs 2.

The income of the Indian Council at headquarters consists primarily of interest on securities, a fixed annual grant from Government, fees for certificates and membership subscriptions. The total income for 1933 was Rs 17,897, more or less normal figure. Management expenses amounted to Rs 22,413. After adjusting assets and liabilities outstanding the revenue account for 1933 showed a loss of Rs 6,305. The Council was able to carry on by taking a loan of Rs 7,000 from the Indian Red Cross Society and by buying much less stores than it sold, the balance of stores stock thus being reduced by Rs 11,000. The Council realise that the financial position and its maintenance by temporary expedients is unsatisfactory.

Their Excellencies the Viceroy and the Countess of Willingdon and His Excellency the Commander in Chief as President, Lady President and Chairman, respectively, with 17 members form the Indian Council. The general business of the Indian Council is conducted by an Executive Committee of which the Hon.ble Sir David Patric, Kt, CIL, CVO, CBE, is the Chairman, Miss Norah Hill, AFRS, the General Secretary, and Sir Ernest Burdon, Kt, CSI, CIE, ICS, the Honorary Treasurer.

INSANITY AND MENTAL HOSPITALS IN INDIA

The accommodation for the treatment in British India of persons who suffer from mental disorders is still very inadequate. In the Indian States, the condition of affairs is even worse, for, with the sole exception of Mysore State which has a small and highly archaic "mental hospital" at Bangalore, there are no mental hospitals in existence so that persons suffering from all forms of mental disease are confined in the jails where, of course, no provision exists for any kind of treatment. According to the last Census (1921) out of a total popula-

tion of 318,942,480 (India and Burma) there are 88,305 persons insane, making a proportion of insane to sane of 3 per every 10,000. In the United Kingdom the proportion of insane to sane is roughly 40 per 10,000, while in New Zealand it is as much as 45 per 10,000. In reviewing these figures it must be borne in mind that those of the United Kingdom and New Zealand include the "feeble-minded" an item that is not included in the figures for British India.

INDIA.

Provinces, States and Agencies	General population			Insane population		
	Male	Female	Total	Male	Female	Total
Provinces under British Administration	1,021,112	1,170,710	2,191,822	44,677	28,574	73,251
States and Agencies	24,752,471	22,219,616	46,972,087	9,478	5,920	15,398
Total for all India	16,993,581	14,916,926	31,910,507	54,155	34,494	88,649

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Province	No of Mental Hospitals	Admitted and re-admitted during the year	Total Population of Mental Hospitals			Discharged	Died	Dispensation		Cerebral Paralysis
			Male	Female	Total			Strength	Rate	
Assam	1	66	410	91	501	21	47	478 47	59 35	20
Bihar and Orissa	2	364	1,575	798	2,373	205	53	1,604 45	74 68	714
United Provinces	3	779	1,561	410	1,971	171	106	1,271 80	175 05	425
Punjab	1	397	982	262	1,244	192	102	850 65	77 63	267
Central Provinces	1	87	389	95	484	35	19	410 06	20 37	130
Bombay	5	608			2,100	257	171	1,734 20	90 7	226
Madras	3	469	1,155	357	1,512	147	80	1,105 20	155 89	191
Burma	2	276	1,111	169	1,280	88	55	1,022 55	44 06	564
Total	18	3,015			11,040		636	8,705 67	66 71	2,601

It will be observed that there is now no mental hospital in Bengal. Insanes from this province are treated in one or other of the two mental hospitals at Ranchi. All Mental hospitals are under the direct control of the Provincial administrative medical officers except the European Mental Hospital at Ranchi which is controlled by a Board of Trustees presided over by the Commissioner of Chota-Nagpur. The so-called 'Central' Mental Hospitals, that is to say, the Mental Hospital at Madras, North Yeravda (Bombay), Lahore (Punjab), Agra (United Provinces of Agra and Oudh) and Rangoon (Burma), as well as the two Mental Hospitals at Ranchi (one for Europeans and Americans and one for Asiatics and Africans) are administered by whole time medical officers who are usually trained alienists. The Administration of the remaining Mental Hospitals in British India and Burma lies with the Civil

Surgeon of the locality in which they happen to be situated. It is probably true to state that only one Mental Hospital in the whole of India can claim any pretension to be up to date as regards organisation, staffing and equipment and that is the Mental Hospital for Europeans at Ranchi. All the others are for the most part over crowded and under staffed, thus rendering anything approaching treatment on modern lines out of the question. The only province in India which has so far displayed some appreciation of the importance of bringing the prevention and treatment of mental disorders into line with conditions in civilised countries is Madras. The local Government of this province has achieved a notable advance in its attitude towards mental disorders by providing, in the construction of the new General Hospital at Madras, accommodation for the treatment of early cases of mental diseases.

As regards the incidence of insanity among the various races of India as well as the incidence of insanity in relation to occupation, no reliable information is available in view of the comparative paucity of cases in proportion to the general

population that come under observation. On the other hand the incidence by age is shown fairly well in the Census Report of 1921 which is as follows —

INDIA

AGE	Insane		Distribution of the insane by age per 10,000 of each sex	
	Male	Female	Male	Female
YEARS				
0-5	651	484	121	142
5-10	2,905	1,882	539	558
10-15	4,098	2,733	761	803
15-20	4,366	3,076	816	904
20-25	5,518	3,379	1,024	993
25-30	6,861	3,582	1,273	1,053
30-35	7,231	3,849	1,342	1,131
35-40	5,651	2,949	1,049	867
40-45	5,316	3,486	987	1,025
45-50	3,332	2,157	618	634
50-55	3,132	2,492	581	733
55-60	1,465	1,036	272	305
60-65	1,683	1,471		
65-70	602	430		
70 and over	1,070	1,006		
Unspecified	270	133		
Total for all India	54,151	34,154	623	857

A further result of the widespread ignorance and apathy both official and non official, towards psychiatry and its cognate interests, is the lack of any provision for the care and treatment of mentally defective children. In 1925, the Hon'ble Haroon Jaffer moved the Council of State to recommend to the Governor-General in Council that the Provincial Governments be asked to investigate the best means of dealing quickly and adequately with cases of mental defectives. A discussion followed which was remarkable only for the ignorance of the subject displayed by all who took part in it. The motion was eventually withdrawn.

Finally there is still a lamentable failure everywhere to appreciate the intimate associa-

tion of crime with mental disorder and the extreme paucity of medical men throughout the whole of India with any real knowledge of mental diseases leave the decision of questions involving what the law terms 'responsibility' in crime in the hands of medical men who are in no sort of sense "experts". In other words the current ideas both as regards the theory and practice of dealing with insanity and crime in India can only be described as archaic.

(See also "Insanity in India" by Colonel G. F. W. Ewens, I.M.S., and "Lunacy in India" by Colonel A. W. Overbeck-Wright, M.D., D.P.E., I.M.S. and Colonel H. P. Jago Shaw's book.)

National Association for Supplying Medical Aid by Women to the Women of India.

The National Association for Supplying Medical Aid by Women to the women of India was founded by the Countess of Dufferin in 1885, the object being to open women's hospitals and women's wards in existing hospitals, to train women doctors, nurses and midwives in India, and to bring these out when necessary from Europe. An endowment fund of about 6 lakhs was obtained by public subscription. In addition Branches were formed in each Province, each Branch having its own funds and each having a number of Local Committees and Zenana Hospitals affiliated to it.

The Central Fund gives grants in aid to several Provincial Branches, it gives scholarships to a number of women students at the Medical schools of Bombay, Calcutta, Madras and Delhi. It has in the past brought from England a certain number of European medical women.

It has assisted by grants in aid the building of a number of zenana hospitals in different parts of India. It has affiliated to it 13 Provincial Branches and a number of Local Committees.

The Government of India subsidize the Countess of Dufferin's Fund to the extent of Rs. 3,11,306 per annum to maintain a Women's Medical Service for India—this service consists of 11 officers, with a training reserve of 8 doctors and a Junior service of 6 assistant surgeons. Medical women either British or Indian holding registrable British qualifications are eligible for the senior service.

The President is H. I. The Countess of Willingdon, C.I., G.B.I. The Hon. Secretary is the Surgeon to H. I. The Viceroy, and the Secretary Dr. M. V. Webb, M.B., B.S., Red Cross Building, New Delhi and Viceregal Estates, Simla.

THE WOMEN'S MEDICAL SERVICE FOR INDIA

This Service is included in the National Association for supplying medical aid by women to the women of India, generally known as the Countess of Dufferin's Fund and is administered by the Executive Committee and Council of that Fund. The Government of India has so far allotted the sum of £25,000 per annum towards its maintenance. The present sanctioned cadre is forty-four first class medical women, with a training reserve of 8 women graduates in medicine of Indian Universities. Recruitment of the service is made (a) in India by a medical sub-committee of the Council which includes the Director-General, Indian Medical Service, the Honorary Secretary to the Council and the Chief Medical Officer, Women's Medical Service, (b) in England, by a sub-committee, including a medical man and two medical women conversant with conditions in India. These sub-committees perform the duties of a medical board examining candidates for physical fitness, and for return to duty after invaliding.

The Council determines what proportions of the members of the Service is to be recruited in England and in India respectively. In the original constitution of the Service, duly qualified medical women who are in the service of, or who have rendered approved service to, the Countess of Dufferin's Fund, are to have the first claim to appointment, and thereafter special consideration is to be paid to the claims of candidates who have qualified in local institutions and of those who are natives of India.

Qualifications—The qualifications are that the candidate must be (a) a British subject resident in the United Kingdom or in a British Colony or in British India, or a person resident in any territory of any Native Prince or Chief under the suzerainty of His Majesty exercised through the Governor-General of India or through any Governor or other officer subordinate to the Governor-General of India. (b) Must be between the ages of

twenty-four and thirty at entry. (c) She must be a first class medical woman, i.e., she must possess a medical qualification registrable in the United Kingdom under the Medical Act, or an Indian or Colonial qualification registrable in the United Kingdom under that Act, but this condition does not apply at the original constitution of the Service to medical women in charge of hospitals who, in the opinion of the Council, are of proved experience and ability. (d) The candidate must produce a certificate of health and character. But the Council reserves the power to promote to the service ladies not possessing the above qualifications, but who have shown marked capacity. Members of the Service are required to engage for duty anywhere in India. After one year of probation has been satisfactorily passed their appointments are confirmed. The services of officers may be lent to Local or Municipal bodies, or to special institutions, which may be responsible for whole or part of the pay.

Pay—The rates of pay are as follows—

1st to 3rd year	Rs 450 per month.
4th to 6th	500
7th to 9th	550
10th to 12th	600
13th to 15th	650
16th to 18th	700
19th to 21st	750
22nd to 24th	800
24th and after	850

also an overseas allowance of Rs 100 per month to those below 12 years' service and Rs 150 per month to those of 12 years' service and over. Every officer of the Service shall pass an examination in such vernacular as the Executive Committee shall appoint within the first three years of her service, and shall receive no increment after that period until such examination has been passed. In addition

furnished quarters are provided free of rent or a house rent allowance to be determined by the Provincial Committee may be granted in lieu of it

Officers of the Service are permitted to engage in private practice provided it does not interfere with their official duties, and the Provincial Committee has the power to determine whether such duties are thus interfered with. Except in very special cases retirement is compulsory at the age of fifty-five. An officer recruited in England, whose appointment is not confirmed, or who is dismissed, is granted an allowance sufficient to pay her passage to England.

Leave Rules—(a) Casual Leave, which is occasional leave on full pay for a few days, and is not supposed to interrupt duty. (b) Leave on average pay is granted up to 2-11 of an officer's period on duty, according to Fundamental Rules. More than eight months' leave on average pay is not granted at one time. (c) Study leave may also be granted up to twelve months during the whole service. An allowance of 12 sh per day is granted in addition to $\frac{1}{2}$ average pay during study leave. (d) Extraordinary leave at any time at the discretion of the Executive Committee. (e) Leave not due may be granted subject to the following conditions—(i) on medical certificate, without limit of amount and (ii) otherwise than on medical certificate, for not more than three months at any one time and six months in all, reckoned in terms of leave on average pay. (f) The maximum period of continuous absence from duty on leave granted otherwise than on medical certificate is 18 months. (g) When an officer returns from leave which was not due and which was debited against her leave account, no leave will become due to her until the expiration of a fresh period spent on duty, sufficient to earn a credit of leave equal to the period of leave which she took before it was due. There are no allowances during extraordinary leave. A doctor appointed in England receives a sum of £100 to cover her passage and incidental expenses. There are also allowances to cover the cost of journeys by rail and road.

There is also a Provident Fund, each member contributing monthly thereto ten per cent of her salary, the Association contributing an equal amount, and each subscriber's account being granted interest on the amount standing to credit at the rate of 4 per cent per annum, or at such rate as the Council can invest without risk to the funds of the Association.

An officer loses the contributions made to her account by the Association with the interest thereon if she resigns (except on account of ill-health) before completing five years' service or in the event of dismissal. On retirement after approved service the sum which has accumulated to the credit of the subscriber is handed over to her.

Free Passages—Officers of the Women's Medical Service are granted free return passages corresponding to those granted under the Lee Concessions to officers of all-India services. The maximum number of return passages granted during an officer's entire term of service must not exceed four, the first falling due after 4 years' service.

The Training Reserve of the Women's Medical Service—This Service has a sanctioned cadre of eight and is open to women graduates in medicine of the Indian Universities. Salaries range from Rs 200 to Rs 300 per month, with furnished quarters or the equivalent in money, to those employed in India.

2 Two of the eight members of the reserve, but not more at any one time, may be deputed to Europe by the Executive Committee for post-graduate training, and shall receive a stipend at the rate of £ 200 a year each paid quarterly and return passage. Any member not so deputed shall be employed in India.

3 Ordinarily four years shall be spent in the reserve before a member is considered for appointment to the Women's Medical Service, but the Executive Committee shall have power to shorten this period in special cases. Service in the reserve shall be considered by the Executive Committee when appointments are being made to the Women's Medical Service, but shall not of itself constitute a claim to appointment.

VICTORIA MEMORIAL SCHOLARSHIPS.

The Victoria Memorial Scholarships Fund was organised by Lady Curzon in 1903, in order to secure a certain amount of improvement in the practising dais of India. A sum of about 6½ lakhs was obtained by public subscription, and centres were organised in each Province to carry out the objects of the Fund. Over 2,000 midwives have been trained in addition to large numbers who

have been partially trained. Of late years the Fund has done much to pave the way for the registration and supervision of indigenous dais. It has also done much propaganda work. The fund is now administered by the Maternity and Child Welfare Bureau of the Indian Red Cross Society.

LADY HARDINGE MEDICAL COLLEGE AND HOSPITAL

The Lady Hardinge Medical College was opened by Lord Hardinge on the 17th February 1916. It is a residential Medical College staffed entirely by women, and was founded to commemorate the visit to Delhi, in 1911, of the Queen Empress. Lady Hardinge took the initiative in raising funds by public subscription to meet the cost of buildings and equipment.

Thirty lakhs of rupees, in all, have been given for these purposes, mostly by the Ruling Princes and Chiefs of India. After Lady Hardinge's death in 1914, it was suggested by Her Imperial Majesty Queen Mary that the institution should serve as a memorial to its founder, and be called by her name.

The Governing Body includes the Director General, Indian Medical Service, the Chief Commissioner of Delhi, the Chief Engineer, Delhi Province, the Educational Commissioner with the Government of India, the Chief Medical Officer, Women's Medical Service, a representative elected by the All India Association of Medical Women, the Surgeon to H.E. the Viceroy, an Indian member of the Council of State, 2 Indian members of the Legislative Assembly, a private Indian citizen of Delhi, a private lady resident of Delhi, the Civil Surgeon of New Delhi and the Agent, Imperial Bank of India, Delhi. The Honorary Secretary, who is also a member of the Governing Body is the Deputy Director General Indian Medical Service. The Deputy Accountant General, Central Revenue, acts as Honorary Treasurer.

The College and Hospital, together with separate hostels for 100 Medical students and 70 nurses and residences for the medical and teaching staff, occupy a site of 5½ acres in New Delhi within easy reach of old Delhi city. The grounds are enclosed and adequate provision is made for the seclusion of both students and patients from outside observation. Strict observance of purdah cannot, however, be guaranteed in the case of students. As the hospital patients are all women or children, it is for example, necessary that students should, in their final year, attend a brief course of instruction on men patients at the Civil Hospital, Delhi. The College buildings contain a Library, Museum, Lecture Rooms, Laboratories and offices. Hostels are provided for Hindu, Moslem, Sikh and Christian students. The hospital is a fine modern building with accommodation for 200 in patients and a commodious outpatients' department. The College and Hospital are supported by a grant of Rs 3,11,000 from the Government of India, supplemented by grants from Provincial Governments and Indian States. Students are prepared for the Intermediate

Science Examination, and the M.B., B.S. degree of the Punjab University, with which the College is affiliated.

SENIOR STAFF

Principal and Professor of Midwifery and Gynaecology—Dr M. C. L. Houlton, M.D., &c., Women's Medical Service.
Vice Principal and Professor of Surgery—Miss Hamilton Browne, M.B. Ch.B. (Svd), D.T.M. (Calcutta), W.M.S.
Professor of Medicine—Miss N. I. Trouton, M.B. B.S. (Lond), M.P.C.S., L.R.C.P. D.T.M. (Calcutta).
Professor of Ophthalmology—Miss R. Roulston, M.B., Ch.B. (Glas), D.O. (Oxon), D.I.C.S. (Edin), W.M.S.
Professor of Pathology—Mrs I. S. Ghosh, M.B., Ch.B. (Aberdeen), D.I.B. (Cambridge), W.M.S.
Professor of Anatomy—Miss K. J. McDermott, M.B., B.S. (Punjab), W.M.S.
Professor of Physiology—Miss J. Surle, M.Sc.
Professor of Radiology—Dr Reklil, M.B.S. (Ph), D.M. & F. (Cantab).
Lecturer in Physics and Mathematics, and Superintendent of the Science Department—Miss J. H. Ross, M.A., B.Sc. (Glas).
Lecturer in Chemistry—Miss Soshella Ram, M.A. (Cantab).
Lecturer in Biology—Miss C. C. Burt, B.Sc. (Edin).
Lecturer in English—Miss Lbbutt, M.A. (Dublin), Modern Language Tripos (Cantab).
Bursar and Warden—Miss M. W. Jesson, M.A. (Cantab).

Attached to the Hospital there are (1) a Training School for Nurses, and (2) a Training School for Dispensers. All particulars as to admission and training may be obtained in the case of (1) from the Nursing Superintendents, Lady Hardinge Medical College Hospital, Delhi, and in the case of (2) from the Lecturer on Pharmacy, at the same address.

NURSING

Whilst India cannot show the complete chain of efficiently-nursed hospitals which exists in England, there has been a great development of skilled nursing of recent years. This activity is principally centred in the Bengal, Madras, and Bombay Presidencies, where the chief hospitals in the Presidency towns are well nursed, and where large private staffs are maintained, available to the general public on payment of a prescribed scale of fees. These hospitals also act as training institutions, and turn out a yearly supply of fully trained nurses, both to meet their own demands and those of outside institutions and private agencies. In this way the supply of trained nurses, English, Anglo Indian and Indian, is being steadily increased. In Bombay the organisation has gone a step farther, through the establishment of the Bombay Presidency Nursing Association, c/o St George's Hospital, Bombay. This is composed of representatives of the various Nursing Associations in charge of individual hospitals, and works under the Government. The principle on which the relations of this Association with the Local Associations is governed is that there shall be central examination and control combined with

complete individual autonomy in administration.

State Registration of Nurses for all India is much required. A meeting was held in Bombay in 1923 when Nurses from the Presidency met to discuss the question. It is desired that India should have its own State Register as in the United Kingdom, South Africa, New Zealand, Australia, Canada and Burma, and that the curricula and examinations should be brought into line with these countries. Government has proposed to establish a Provincial Register preparatory to an All-India Register.

Nursing Bodies—The Secretary of the Calcutta Hospital Nurses' Institution is Mr A. R. Nicholson, Allahabad Bank Buildings, Calcutta. The names and addresses of the other Nursing bodies in Calcutta are Lady Minto's Indian Nursing Association (Bengal Branch), 4, Hungerford Street, Lady Rogers' Hostel for Indian Nurses, 144, Russa Road South, Nurses' Academy, 6, Suburban Hospital Road, and Nurses' Bureau, 37, McLeod Street. In Madras there is the General Hospital, with a staff of 62 nurses, the Government Maternity Hospital, the Caste and Gosha Hospital at Kilpauk, the Royapetta Hospital and the

Ophthalmic Hospital, also the Lady Amptull Nurses Institute and the South Indian Nursing Association (now amalgamated) President, Her Excellency Lady Goschen. The Association has under its management—*The Lady Amptull Nurses Institute*, Western Castle, Mount Road, Madras. Fully trained and experienced nurses for all cases of illness both among Europeans and Indians, always available. *The Lady Willingdon Nursing Home*, Western Castle, Mount Road, Madras, and *Nilgiri Nursing and Convalescent Home*, Ootacamund, for Medical, Surgical and Maternity cases. The Nilgiri Nursing Home affords admirable facilities for convalescents.

Bombay Presidency—The Bombay Presidency was amongst the first in India to realise the value of nursing in connection with hospital work. The first steps were taken on the initiative of Mr L. R. W. Forrest at St. George's Hospital, Bombay, where a regular nursing cadre for the hospital was established together with a small staff of nurses for private cases. This was followed by a similar movement at the J. J. and Allied Hospitals and afterwards spread to other hospitals in the Presidency. Ultimately, the Government laid down a definite principle with regard to the financial aid which they would give to such institutions, agreeing to contribute a sum equal to that raised from private sources. Afterwards, as the work grew, it was decided by Government that each nursing association attached to a hospital should have a definite constitution and consequently these bodies have all been registered as Associations under Act 21 of 1860. By degrees substantial endowments have been built up, although the Associations are still largely dependent upon annual subscriptions towards the maintenance of their works. This Association was incorporated under the Societies' Registration Act of 1860, in the year 1911, with the primary object of establishing a nursing service from which the Nursing staff of Government aided hospitals under management of Nursing Association might be recruited. This function, however, was never carried out by the Bombay Presidency Nursing Association, and under the present circumstances it appeared to the Committee improbable that it could be carried out, but up to now the auxiliary function of the examining and granting certificates to nurses and midwives, and maintaining a register of qualified nurses and midwives and also maintaining a Provident fund for the employees of the affiliated associations have been successfully carried out from 1911 to 1933. Memorandum, Rules and By-laws of the Association were however revised brought into line with the actual working of the Association. Towards the end of 1927, the Committee decided that some steps must be taken to do so and accordingly appointed a sub-committee to consider the revision and amendment of the Memorandum, Rules and By-laws. The Sub Committee reported that it appeared to be impossible to amend and revise the present rules piecemeal and that the only way to put things in order would be to draft an entirely fresh constitution and rules.

After fully considering the Sub Committee's report the Committee agreed that the Association be incorporated by an Act on the line of the Registration Act in the United Kingdom. Pending

the passing of the Act the new Memorandum of Association having received the approval of Government was brought into operation from 1st April 1929.

The following are affiliated associations as well as Training Institutions —

St. George's Hospital Nursing Association, Bombay, (for nurses only), Hon. Secretary R. W. Douglass, Esq.

Jamshetty Jijibhoy Hospital Nursing Association, Bombay, (for nurses and midwives), Hon. Secretary Dr. M. V. Mehta, O.B.E., F.R.C.P.

Cama & Albless Hospitals Nursing Association, Bombay (for Nurses and Midwives) Nil. This is now purely Govt. institution.

Sassoon Hospital Nursing Association, Poona, (for Nurses and Midwives) Nil. This is now purely Govt. institution.

Karachi Civil Hospital Nursing Association (for Nurses only), Hon. Secretary F. T. M. Day.

Civil Hospital Nursing Association, Nasik (for Nurses and Midwives), Hon. Secretary Civil Surgeon, Nasik.

Civil Hospital Nursing Association, Ahmedabad (for Nurses and Midwives), Hon. Secretary Civil Surgeon, Ahmedabad.

Victory Nursing Association, Sholapur, (for Nurses and Midwives), Hon. Secretary Civil Surgeon, Sholapur.

Infant Welfare Society's (Bombay), Wadi Bunder Maternity Home, Wari Maternity Home and DeLisle Road Maternity Home (For Midwives only).

Hindu Nirashrit Fund Maternity Home, Surat (For Midwives only).

Brahman Sabha Mhaskar Maternity Hospital, Bombay (For Midwives only).

Sheth Vaidilal Sarabhai General Hospital and Chinai Maternity Home, Ahmedabad (For Nurses and Midwives).

Dhanrajgiri Hospital, Sholapur (For Nurses and Midwives).

Narwanagar State Hospitals Irwin Hospital, Victoria Hospital and Ba. Shri Sajuba Female Hospital (For Midwives and Nurses).

Bai Jerbai Wadiji Hospital, Parel, Bombay (For Junior Examination only).

The following are only affiliated Associations but not Training Institutions —

East Khandesh District Nursing Association, Hony. Secy Civil Surgeon, Jalgaon.

Goculdas Tejpal Hospital Nursing Association, Hony. Secy R. W. Bullock.

Bijapur Civil Hospital Nursing Association, Hon. Secretary Civil Surgeon, Bijapur.

Byramji Jijibhoy Nursing Association, Matheran.

Dharwar Civil Hospital Nursing Association, Hony. Secretary Civil Surgeon, Dharwar.

Kanara Nursing Association, Karwar, Hon. Secretary Civil Surgeon, Karwar.

Panch-Mahals Nursing Association, Godhra, Hony. Secretary Civil Surgeon, Godhra.

Prince of Wales Nursing Association, Aden, Hony. Secretary I. Taylor, Esq.

The following are recognised Training Institutions —

V. J. Hospital, Ahmedabad (for Midwives). State General Hospital, Baroda (for Nurses and Midwives).

- Civil Hospital, Belgium (for Nurses and Midwives)
- King Edward VII Memorial Hospital, Parel, Bombay (for Nurses only)
- Bai Yamunabai L. Nair Charitable Hospital, Lamington Road, Bombay (for Nurses only)
- Bomanji Dinshaw Petitji Parsi General Hospital, Cumballa Hill, Bombay (for Nurses only)
- Lady Dufferin and Louise Lawrence Institute, Karachi (for Nurses and Midwives)
- Morabhai Vrajabhukandas Hospital, Surat (for Midwives)
- American Presbyterian Mission Hospital, Miraj (for Nurses only)
- St Luke's Hospital, Vengula (for Nurses only)
- Parsi Lying in Hospital, Bombay (for Midwives only)
- St Margaret's Hospital, Poona (for Nurses and Midwives only)
- King Edward Memorial Hospital, Poona (for Midwives only)
- Nowroji Wadia Maternity Hospital, Parel, Bombay (for Midwives only)
- Achutlal Girdharil Maternity Home, Ahmedabad (for Midwives only)
- Zenana Mission Hospital, Broach (for Midwives only)
- Lady Dufferin Hospital, Sholapur (for Midwives only)
- Canada Hospital, Nisik (for Nurses and Midwives)
- Mission Hospital, Ahmednagar (for Nurses only)
- Municipal Maternity Homes, Bombay
 - Bellasis Road (Biculla)
 - Imamwada (Mazgaon)
 - Cadell Road (Worli)
 - Victoria Cross Road (Biculla)
 - Khetwadi (Gurgaon)

Provision for retiring allowances is made for all members on the basis of a Provident Fund, and a Nursing Reserve has been established for employment in emergencies such as war, pestilence or public danger or calamity

Address.—The Registrar, Bombay Nursing Council, Old Custom House, Fort, Bombay

Lady Minto's Indian Nursing Association—In 1906 this Association was inaugurated replacing the Punjab and Up country Nursing Association for Europeans in India, which society, established in 1892, had accomplished much useful work in this country. Owing, however, to lack of funds it was found impossible to continue its administration and to carry out the expansion of the work so urgently called for. The name of the helpers identified with the premier Association to whom the public must ever be indebted are the Hon Lady Littleton, Lady Helen Munro Ferguson and Mrs Cottrell, while Mrs Shepherd, by her indefatigable efforts, is truly entitled to be regarded as the pioneer of a trained nursing system throughout the greater part of India. The late Lady Curzon worked energetically to provide an enlarged Nursing organisation, but mainly owing to financial reasons, she was unable before she left India to bring the scheme to fruition. The Home Committee of the existing Association, recognising the need for expansion, consented to take over the

present Association and approached Lady Minto before she left England in 1905 for co-operation towards this project, and after much consideration and discussion with the Government of India, Lieut-Governors and Commissioners of Provinces, the present Association was established. An appeal by Lady Minto addressed to the public both in England and India, was responded to most generously, and sufficient funds were collected to form an endowment fund, which has in spite of fluctuations increased a little with time. The assistance of a Government grant is much valued, as it enables Homes for the Sisters to be kept up in six Provinces in India and in Burma. At the request of the Home Committee the enlarged Association was renamed the "Lady Minto's Indian Nursing Association."

The duties of the Home Committee are, as before, largely concerned in dispatching—as required—suitably trained and carefully selected Nurses for service on the staff of the Association in India. Thus, Europeans who are members of this Association are enabled to obtain skilled nursing at moderate charges on a sliding scale of fees determined by the income of each patient. The boon of obtaining good nursing at moderate terms is much appreciated, the rates of subscriptions being really an insurance against illness.

Her Majesty the Queen is a Patron of the Association. Her Excellency The Countess of Willingdon is President of the Central Committee in India.

Hon Secretary, Malov F M Collins, R A M C
Hon Treasurer, W R Linnant, Esq, I C S
Chief Lady Superintendent, Miss G Beckett
Address—Central Committee, L M I N A, Viceregal Lodge, Simla, and Red Cross Building, New Delhi

Hon Secretary, Home Committee—Vicant Secretary, Home Committee Miss M E Ray, R R C, 10, Witherly Mansions, Earls Court Sq

Nurses' Organizations—The Association of Nursing Superintendents of India is now amalgamated with the Trained Nurses' Association of India, and has the one set of officers. The Trained Nurses' Association of India and the Association of Nursing Superintendents of India are not Associations to employ or to supply nurses, but are organizations with a membership wholly of nurses with the avowed objects of improving and unifying nursing education, promoting *esprit de corps* among nurses, and upholding the dignity and honour of the nursing profession. The Associations have a membership of 172 including nurses trained in ten or more different countries, Europeans, Americans, New Zealanders, Australians and Indians. The Association of Superintendents was started in 1905 as the Association of Nursing Superintendents of the United Provinces and the Punjab, but by the next year its membership had spread over the country to such an extent that the name was changed to include the whole of India. The Trained Nurses' Association was started in 1908, and a monthly *Journal of Nursing* began to be published by the two Associations in February, 1910. The Associations are affiliated with the international Council of Nurses.

President Mrs G D Franklin, 33, Rajpur Road, Delhi

THE WOMAN SUFFRAGE MOVEMENT.

Hon Secretary and Treasurer Miss Gadsden,
General Hospital, Madras

Within the abnormally short period of eleven years the Woman Suffrage movement has risen in India, swept through the country sympathetically and achieved the political enfranchisement of women in all the nine British Provinces and in four Indian States

Three fundamental causes have led to this remarkable success first, the deep veneration that is given by the Hindu and Muhammadan religions to the feminine aspect of life equally with the masculine as shown by the importance of goddesses, by the necessity for the presence of the wife at all ceremonies performed by a Brahman, by the idea of the sacred mystery of womanhood implied by the purdah, and by the general veneration of motherhood. Secondly, the time was psychological, for a new era was beginning for the Indian people by the introduction of a Scheme of Reforms in Indian government which was planned to give a basis of representative government on a much extended scale. The door was being opened to complete Self-government but only men were being invited to enter through it, although women compose half the people of the country and it had been by the joint efforts of men and women that the agitation for reform in the government had been made. The men and women of India were too awakened and too just to allow this injustice to remain unredressed. Thirdly, the long and strenuous agitation for the vote by women in Britain and America and their recent victories had brought vividly to the consciousness of all educated Indian men and women the whole question of the inclusion of women in public life, and it was also a national and international necessity that Indian women should be given as high a status as women in other parts of the Empire

Though the Municipal franchise had been granted to the women of the Bombay and Madras Presidencies over fifteen years ago it was so limited in numbers that it did not make a large impact on women's consciousness and indeed no protest was made when it was suddenly withdrawn from Madras women some years later. Over 1,700 women are qualified to vote for the Bombay Corporation and a fair percentage of these have polled at each election, and similarly in other Municipalities in that Presidency women have exercised their vote responsibly and intelligently. Since 1922 over 100 women have become Municipal Councillors and members of Local Government Boards. Their appointment has chiefly been by nomination but there have been notable seats won by election in open contest with men, such as the election of all the four women who first entered the contest for seat in Bombay Corporation, also the instance in which the single woman contestant in the Municipal elections in Lucknow secured the largest poll of any of the candidates. Many important local reforms have been secured by this large band of women Councillors, and every year sees a greater

number of women serving on these Local Councils and Boards

It was owing to the rise of the political agitation for Home Rule between 1914 and 1917 that women began to wake up to their position of exclusion by British law from any share in representative government. The internment of one of their own sex, Dr Besant, stimulated political activity and political self-consciousness amongst women to a very great extent. The moment for the ripe public expression of their feelings came when the Secretary of State for India came to India to investigate and study Indian affairs at first hand in 1917.

During the Hon E S Montagu's visit only one Women's Deputation waited on him but it was representative of womanhood in all parts of India, and it brought to his notice the various reforms which women were specially desirous of recommending the Government to carry out.

The first claim for women suffrage for Indian women was made in the address presented to Mr Montagu at this historic **All-India Women's Deputation** which waited upon him in Madras on the 18th December 1917. The section referring to enfranchisement merits full quotation.

"Our interests, as one half of the people, are directly affected by the demand in the united (Hindu-Muslim Reform) scheme (I 3) that 'the Members of the Council should be elected directly by the people on as broad a franchise as possible,' and in the Memorandum (3) that 'the franchise should be broadened and extended directly to the people.' We pray that, when such a franchise is being drawn up, women may be recognized as 'people,' and that it may be worded in such terms as will not disqualify our sex, but allow our women the same opportunities of representation as our men. In agreeing with the demand of the abovementioned Memorandum that 'a full measure of Local Self-Government should be immediately granted, we request that it shall include the representation of our women, a policy that has been admittedly successful for the past twenty years in Local Self-Government elsewhere in the British Empire. The precedent for including women in modern Indian political life has been a marked feature of the Indian National Congress, in which since its inception women have voted and been delegates and speakers, and which this year finds its climax in the election of a woman as its President. Thus the voice of India approves of its women being considered responsible and acknowledged citizens, and we urgently claim that, in the drawing up of all provisions regarding representation, our sex shall not be made a disqualification for the exercise of the franchise or for service in public life."

The year 1918 was devoted to converting the Government forces to the justice and expediency of Indian Woman Suffrage, but this proved a more difficult matter. It was a disappointment first that though the Secretary of State had given a sympathetic reply to the All-India Women's Deputation, yet when the Scheme of Reforms, drawn up by him and Lord Chelmsford as the outcome of his visit to India was published no mention of women was made

though the widening of the electorate was one of the reforms suggested. When the Southborough Franchise Committee was formed to investigate the suggestions regarding the franchise in this Scheme, the women suffragists took every means to bring to the notice of the Committee all the evidence which showed the need for, and the country's support of the inclusion of women in the new franchise.

After the introduction of the **Government of India Bill** into Parliament in July 1919, a number of Indian deputations proceeded to London to give evidence before the Joint Select Committee of Members of both Houses of Parliament which had been appointed to place the Reforms on a workable basis. Mrs Annie Besant, Mrs Sarojini Naidu and Mrs and Miss Harbani Tata were the women who were heard by the Committee in support of the extension of the franchise to women in India.

The House of Commons decided that the question was one for Indians to answer for themselves and while retaining the sex disqualification in the Reform Bill they framed the Electoral Rules in such terms that if any Provincial Legislative Council should approve by a resolution in favour of women's franchise, women should be put on the electoral register of that Province. This was the only provision regarding franchise matters which might be changed before a 10 years' time limit. Until after that period women were ineligible for election as Legislative Councillors.

Travancore, a very progressive Indian State, was the first to grant the Legislative vote to women at the close of 1920, and it was promptly followed by the Indian State of Jhalawar. In the first session of the Legislative Councils in 1921 it is gratifying to record that a motion was tabled by Dewan Bahadur Krishnan Nair of Malabar that he would bring forward a Resolution in the Madras Legislative Council to remove the disqualification of sex existing in regard to the Legislative Council franchise. During the month that must legally intervene between the tabling of a Woman Suffrage motion and its introduction for Debate the Madras women under the leadership of the Women's Indian Association carried on all forms of public propaganda and canvassed the important members of the Council. The Debate took place on April 1st and after a short discussion, in which it was evident that opposition came only from the Muhammadan members, the debate itself became only an accumulation of appreciation of womanhood and an expression of faith in its future. When the division was taken, it resulted in the resolution being carried by a majority of 34. Madras has thus the honour of being the first Province in British India to enfranchise its women, and it has done this ungrudgingly and unhesitatingly in the broad spirit of the equality of the sexes, as it grants the vote to women on the same terms as it has been granted to men. Dr (Mrs) Muthulakshmi Reddi, the first woman member of the British Indian Legislature, has been able to introduce legislation to do away with the Devadasi service in the Hindu temples and the immoral traffic in women and children. She has also devoted her attention to the development of the education of girls and to the promotion of the health of mothers and children.

Mr Trivedi brought forward a **Woman Suffrage Resolution** in the **Bombay Legislative Council** during the same session, but some irregularity in its wording caused it to be pronounced out of order. In June that subject was tabled again and championed by Rao Saheb Harilal Desai and Desai of Ahmedabad, Deputy President of the Council. As in Madras, the intervening month was filled with suffrage activity by the women of the Presidency and was remarkable for a large joint meeting of Bombay city women at which 19 Women's Societies took part, and for a suffrage meeting of Marathi and Gujarati women in Poona when over 800 women showed the greatest enthusiasm for the movement.

The **Bombay Council Debate** on Woman Suffrage took three days and the subject was very fully discussed by over 40 members. The result was satisfactory to the suffragists the voting being 52 in favour, 25 against and 12 neutral. Thus Madras and Bombay Presidencies gave the lead to the other Provinces. In September, 1922, Mr S. M. Bose, in the **Bengal Council**, moved a **Woman Suffrage Resolution**, which was debated for three days but finally defeated by 56 to 37 votes, a bloc of 40 Muhammadan members voting solidly against it. In September 1925 the Bengal Council passed the Suffrage Resolution by a vote of 54 to 38.

Mr Devaki Prasad Sinha's similar Resolution in the **Behar and Orissa Legislative Council** was defeated by only a 10 votes' majority.

These Debates proved so educational to their respective Provinces that the **Bengal** and **Behar** Provinces have since granted qualified women the **Municipal Vote**.

In February, 1923, a world suffrage record was made by the *unanimous* vote of the **United Provinces Legislative Council** in favour of Woman Suffrage.

In 1926 the **Punjab** granted woman suffrage without a division, and in 1926 the **Central Provinces**.

The new Reform Bill for **Burma** has included the grant of woman suffrage to the qualified Burmese women, and further made provision for their election as Councillors if the Council passes a Resolution desiring their admission and if that Resolution is approved of by the Governor.

In April, 1922, the **Mysore Legislative Council** unanimously passed the **Woman Suffrage Resolution**. The vote for the Representative Assembly of Mysore was granted to women in October, 1922. The vote for Mysore Legislative Franchise was granted to the Mysore women by H. H. The Maharaja and His Privy Council in June 1923. In October, 1924, **Assam Provincial Council** granted Woman Suffrage for its Province by 26 to 8. It also has been the first Province to pass a Resolution in favour of allowing women to enter the Council as members.

In 1929 soon after the All-India Women's Educational Reform was held in Patna, the Legislative Council of **Behar** and **Orissa** gave women the right of voting, election and nomination to the Council on the same terms as men. Thus the whole of British India has now

given to women equal political rights with men. The result has already demonstrated itself in the remarkable advancement of all the interests of women along the lines of education, health, housing, morality and social customs.

The Indian Native States of **Travancore, Cochin and Rajkot** are the only places in India where the sex disqualification has been completely removed from the statute book. These have allowed women the right to stand for election for the Legislative Council as well as the right to vote for it, and two women have been elected to the newly formed Representative Council of Rajkot. The year 1925 has been noteworthy for the appointment of the first woman Minister to Government. Mrs. Poonam Lukhose became a member of the Travancore Legislative Council on taking the position of State Darbar Physician. She acted as Minister for Health to the State for three years. Cochin State nominated Mrs. Madhavamma as a member of its first Legislative Council.

In British India by the terms of the Reform Bill the Councils had no power to alter the disqualification of sex which remains against the right to stand as candidates for election to the Councils. This could only be changed by the vote of the British Parliament, and the gaining of this right remained as a further objective of the women suffragists. Many large, influential meetings were held claiming the right of women to entry of the Legislatures. A deputation of women about this subject waited on the Madras Governor and their claims were supported by him and by his Government. The Imperial Legislative Assembly and the Council of State had been accorded the power to grant women the franchise for their assemblies also by resolution, but only for those provinces which had already granted women the Legislative franchise. The Legislative Assembly has passed by a large majority a Resolution granting the Assembly franchise to the women of such Provinces. Accordingly, on November 1923, women in India voted for the first time for the elections of both Provincial Legislative Councillors and members of the Legislative Assembly. The number of women who voted in the large cities was surprisingly large in Bombay and Madras Presidencies and comprised women of all castes and communities.

In April, 1926 as a result of a favourable recommendation of the Muddiman Committee on Franchise Reforms, the Rule was changed in the Reform Bill which disqualified women from entering the Legislatures. Power was granted to the Councils and the Assembly to pass Resolutions allowing qualified women to be elected or nominated as members of these bodies. Agam Madras Council, on the 17th July, was the first to pass a Resolution admitting women to its membership. Bombay and the Punjab followed its lead in August and October respectively. This enabled women to become members of the Councils which have been functioning since then. But the permission

came too late for women to stand for election with any great chance of success, so the Women's Indian Association asked that women be nominated by Government for the new Councils in those Provinces which had voted to admit them, and that women also be nominated to the Assembly and the Council of State. Thus the year 1926 marked another milestone passed on the road to the complete political emancipation of Indian womanhood.

In 1926 the Central Provinces, the Punjab and Bengal, all granted the Franchise to women. The year 1927 was notable for the nomination of the first woman member to a Legislative Council in British India, the recipient of the honour being Dr. MUTHULAKSHMI AMMAL, and she was further honoured by being elected unanimously by her colleagues in the Madras Legislative Council, to the Office of DEPUTY-PRESIDENT OF THE COUNCIL. Since then Mrs. Kale has been nominated to the Legislative Council of the Central Provinces, and Mrs. Ahmed Shaw to that of the United Provinces. A Deputation from the All-India Women's Conference in Delhi in 1928 waited on the Viceroy requesting him to nominate two women to the Legislative Assembly. That has still remained ungranted.

The number of women enfranchised by the grant of the vote throughout India will not be more than a million under the present qualifications. Property and not literacy is the basis of the franchise, though the grant of the vote to every graduate of seven years' standing ensures that the best educated women of the country as well as those who have to shoulder the largest property responsibilities will be those who rightly will be the legislating influence on behalf of womanhood. As regards the custom of purdah prevailing in parts of India special provisions have been made in Municipal voting for purdah recording stations for purdah women in which a woman is returning officer and this has been found quite satisfactory and has been adopted also where desired in connection with Legislative Council elections.

Though the Women's Indian Association was the only Indian women's society which had woman suffrage as one of its specific objects, almost all other women's organisations have combined in special efforts for the gaining of municipal and legislative rights and the following ladies have identified themselves specially with the movement: Lady D. Tata, Lady A. Bose, Lady T. Sadasivaiyer, the Begum of Cambay, Mrs. Ramabai Ranade, Mrs. Sarojini Naidu, Mrs. Tampi Jehangir Petit, Mrs. Tata, Mrs. Wadia, Mrs. Jinarajadasa, Dr. A. Besant, Mrs. M. E. Cousins, Mrs. Srirangamma, Mrs. Chandrasekhara Iyer, Miss S. Sorabji, Mrs. Khedkar, Dr. Mistry, Dr. Muthulakshmi Ammal, Mrs. Palmer, Mrs. Saraladevi Choudhuri, Mrs. Kumudini Basu, Mrs. K. N. Roy, Lady Shafi, Mrs. Hassan Imam, Miss S. B. Das, Mrs. P. K. Sen, Mrs. Rustomji Fardoonji, Mrs. B. Rama Rao, Mrs. Deep Narain Singh, Mrs. Raschid, Mrs. van Gildemeester, etc.

Warrant of Precedence.

The following new Warrant of Precedence for India was approved by His Majesty the King-Emperor of India, and received His Royal Sign Manual, on 9th April 1930 —

- 1 Governor General and Viceroy of India
- 2 Governors of Presidencies and Provinces within their respective charges
- 3 Governors of Madras, Bombay and Bengal
- 4 Commander in Chief in India
- 5 Governors of the United Provinces, Punjab, Bihar and Orissa and Burma
- 6 Governors of the Central Provinces and Assam, Governor of the North-West Frontier Province
- 7 Chief Justice of Bengal
- 8 Members of the Governor General's Executive Council
- 9 Commander in Chief of His Majesty's Naval Forces in the East Indies
- 10 President of the Council of State
- 11 President of the Legislative Assembly
- 12 Chief Justice of a High Court other than that of Bengal
- 13 Agents to the Governor General, Rajputana, Central India, Baluchistan, Punjab States and States of Western India, Chief Commissioner of the North-West Frontier Province, Commissioner in Sind, Members of Executive Councils and Ministers of Governors and Lieutenant Governors*, Political Resident in the Persian Gulf, Resident and Commander-in-Chief at Aden, and Residents at Hyderabad and in Mysore within their respective charges
- 14 Chief Commissioner of Railways, General Officers Commanding, Northern, Southern, Eastern and Western Commands, and Officers of the rank of General
- 15 Members of the Executive Councils and Ministers in Madras, Bombay and Bengal *
- 16 Members of the Executive Councils and Ministers, United Provinces, Punjab, Burma and Bihar and Orissa *
17. Agents to the Governor General, Rajputana, Central India, Baluchistan, Punjab States and States of Western India, Chief Commissioner of the North-West Frontier Province, Political Resident in the Persian Gulf, and Residents at Hyderabad and in Mysore
- 18 Members of the Executive Councils and Ministers, Central Provinces and Assam,* Members of the Executive Council and Ministers, North West Frontier Province
- 19 Presidents of Legislative Councils, within their respective Provinces
- 20 Chief Judges of Chief Courts, and Puisne Judges of High Courts
- 21 Lieutenant Generals
- 22 Auditor General, Chairman of the Public Service Commission, and Chief Commissioner of Delhi, when within his charge
- 23 Air Officer Commanding, Royal Air Force in India, Flag Officer Commanding and Director, Royal Indian Marine, Members of the Railway Board, Railway Financial Commissioner, Secretaries to the Government of India, and Vice Chairman, Imperial Council of Agricultural Research
- 24 Additional Secretaries and Joint Secretaries to the Government of India, Commissioners in Sind, Controller of Civil Accounts, Financial Adviser, Military Finance, Judges of Chief Courts, Members of the Central Board of Revenue, and Resident and Commander in Chief at Aden
- 25 Chief Commissioner of the Andaman and Nicobar Islands, when within his charge, and Chief Secretaries to the Governments of Madras, Bombay and Bengal
- 26 Commissioners of Revenue and Commissioner of Excise, Bombay, Consulting Engineer to the Government of India, Development Commissioner, Burma, Director of Development, Bombay, Director-General, Indian Medical Service, Director General of Posts and Telegraphs, Financial Commissioners, Judicial Commissioners of the Central Provinces, Sind and North West Frontier Provinces, Major Generals, Members of a Board of Revenue, Members of the Public Service Commission, and Surgeons General
- 27 Chairman of the Madras Services Commission, Vice Chancellors of the Indian Universities
- 28 Agents of State Railways, Controller of the Currency, Additional Judicial Commissioners, Judicial Commissioner, Western India States Agency Commissioners of Division, Residents of the 2nd Class, Deputy Auditor General in India, Revenue and Divisional Commissioners, North-West Frontier Province within their respective charges
- 29 Members of the Indian Civil Service of 30 years' standing, whose position but for the Article would not be lower than Article 34
- 30 Advocate-General, Calcutta
- 31 Advocates General, Madras and Bombay
- 32 Chief Secretaries to Governments other than those of Madras, Bombay, Bengal and Assam
- 33 Accountants General, Class I, Air Force Officer Commanding, Aden, Brigadiers, Census Commissioner for India, Chief Controller of Stores, Indian Stores Department, Commissioner Northern India Salt Revenue, Director General of Archaeology in India, Director of the Geological Survey, Director, Intelligence Bureau, Director of Ordnance Factories and Manufacture, Director of Railway Audit, Educational Commissioner with the Government of India, His Majesty's Senior Trade Commissioner, Calcutta, Inspector General of Forests, Military Accountant-General, Public Health Commissioner with the Government of India, and Surveyor-General of India

* The Vice President of the Council appointed under section 48 of the Government of India Act ranks in the same article of the Warrant but senior to his colleagues on the Council

34 Additional Judicial Commissioners, Chief Commissioner of the Andaman and Nicobar Islands, Chief Commissioner of Delhi, Chief Secretary to the Government of Assam, Chief Secretary to the Government of the North-West Frontier Province, Commissioners of Division, Judicial Commissioner, Western India States Agency, and Residents of the 2nd Class, Revenue and Divisional Commissioners of the North-West Frontier Province

35 Non-Official Presidents of Municipal Corporations in Presidency Towns and Rangoon, within their respective municipal jurisdictions, Private Secretary to the Viceroy, and Secretaries, Additional Secretaries and Joint Secretaries to Local Governments

36 Accountants General other than Class I, Chief Accounts Officer, East Indian Railway, Chief Auditor of State Railways, Chief Commercial Managers of State Railways, Chief Conservators of Forests, Chief Engineers,* Chief Engineer, Telegraphs, Chief Operating Superintendents of State Railways, Chief Mechanical Engineers of State Railways, Chief Mining Engineer, Railway Board, Colonels, Command Controllers of Military Accounts, Deputy Controller of the Currency at Bombay, Directors of Agriculture, Director, Agricultural Research Institute, Pusa, Director of Army Audit, Director of the Botanical Survey of India, Director of Civil Aviation in India, Director-General of Observatories, Directors of Public Instruction under Local Governments, Director, Military Lands and Cantonments, Directors, Railway Board, Directors of the Survey of India, Director, Zoological Survey, Expert Advisers, Imperial Council of Agricultural Research, Financial Adviser, Posts and Telegraphs, His Majesty's Trade Commissioners, Bombay and Calcutta, Inspectors General, Civil Hospitals, Inspectors General of Police under Local Governments and in the North-West Frontier Province, Inspectors General of Prisons under Local Governments, Master of Security Press, Nasik, Members of the Indian Civil Service and of the Indian Political Department of 23 years civil service, whose position but for this Article would not be lower than Article 55, Mint Masters, Calcutta and Bombay, President of the Forest College and Research Institute, Provincial Directors of Public Health, and Traffic Managers and Locomotive Superintendents of State Railways

37 Military Secretary to the Viceroy

38 Solicitor to the Government of India and Standing Counsel for the Presidency of Bengal

39 Presidency Senior Chaplains of the Church of Scotland

40 Chairmen of Port Trusts and of Improvement Trusts of the Presidency Towns, Rangoon and Karachi, Chief Executive Officers of the Municipalities of the Presidency Towns and

Rangoon, within their charges, Chief Inspector of Mines, Commissioners of Police in the Presidency Towns and Rangoon, and Settlement Commissioners

41 Collectors of Customs Collectors and Magistrates of Districts, Collector of Salt Revenue, Madras and Bombay, Collector of Stamp Revenue and Deputy Collector of Land Revenue, Calcutta, Commissioner of Ajmer-Merwara, Deputy Commissioners of Districts, Deputy Commissioner, Port Blair, Divisional and District and Sessions Judges (including the Judicial Commissioner of Chota Nagpur), Political Agents and Superintendents, and Residents (other than those of the 1st and 2nd Class), Commissioners of Income Tax, Opium Agent, Ghazipur, and Remembrancers of Legal Affairs and Government Advocates under Local Governments

42 Deputy Financial Adviser, Military Finance, Deputy Secretaries to the Government of India, Director-General of Commercial Intelligence, Director of Inspection, Indian Stores Department, Director of Public Information, Government of India, Director of Purchases and Intelligence, Indian Stores Department, Director, Regulations and Forms in the Army Department, Establishment Officer in the Army Department, Secretary to the Imperial Council of Agricultural Research, Secretary, Public Service Commission, Secretary to the Railway Board, and Secretaries to Residents of the First Class within their respective charges

43 Director, Central Research Institute, Kasauli, Director of the Imperial Institute of Veterinary Research, Muktesar, Director of the Indian Institute of Science, and Principal of the Thomson Civil Engineering College, Roorkee

44 Assistant to the Inspector-General of Forests, Budget Officer, Finance Department, Government of India, Chief Electrical Engineers, Civilian Superintendents of Clothing Factories, Civilian Superintendents of Ordnance Factories, Colliery Superintendent, East Indian Railway, Commandant, Frontier Constabulary, North-West Frontier Province, Comptroller, Assam, Conservators of Forests, Controller of Army Factory Accounts, Controller of Marine Accounts, Controller, Royal Air Force Accounts, Deputy Agents, Deputy Traffic Managers, and Officers* of similar status of State Railways, Deputy Chief Engineer, Telegraphs, Deputy Director-General, Indian Medical Service, Deputy Director-General of the Post Office, Deputy Director-General, Telegraph Traffic, Deputy Director, Intelligence Bureau, Deputy Director, Ordnance Factories and Manufacture (if a civilian), Deputy Inspectors-General of Police, Deputy Military Accountant-General, Director, Medical Research, Directors of the Persian Gulf Section and of the Persian Section of the Indo-European Telegraph Department, Directors of

* Present incumbents of the office of Chief Engineer who have ranked in entry 33 of the Warrant of 1893 will rank in entry 33 of this Warrant until they relinquish their office as Chief Engineers

Officers of similar status are Deputy Superintendents, Locomotive Department, Superintendents, Carriage and Wagon Department, Controllers of Stores, Senior Signal Engineers, State Railways Coal Superintendent, Chief Medical Officer, Deputy Chief Transportation Superintendents, Deputy Chief Commercial Managers, Deputy Chief Mechanical Engineers, and Deputy Chief Engineers

Telegraph Engineering, Director of Wireless, District Controllers of Military Accounts, Divisional Superintendents, State Railways, Lieutenant-Colonels, Members of the Madras Services Commission, Members of the Indian Civil Service and of the Political Department of 18 years' civil service, whose position but for this Article would not be lower than Article 55, Postmasters General, Signal Engineers, and Superintending Engineers

45 Assay Master, Bombay, Deputy Auditors General, and Deputy Controllers of the Currency, Calcutta and Northern India

46 Actuaries to the Government of India, Chief Inspectors of Explosives, Chief Judges of Small Cause Courts, Presidents Towns and Rangoon, Controller of Printing, Stationery and Stamps, Directors of major Laboratories, and Director of Public Instruction, North West Frontier Province

47 First Assistant to the Resident at Aden, Private Secretaries to Governors, Political Secretary, Aden

48 Administrators General, Chief Presidency Magistrates, Deputy Directors, Railway Board, Judicial Assistant, Aden, when within his charge, Metallurgical Inspector, Jamshedpur, and Officers in Class I of the General or the Public Works List of the Indian Audit and Accounts Service

49 Chief Inspector of Stores and Clothing, Cawnpore, Commissioner of Labour, Madras, Controller of Patents and Designs, Directors of Fisheries in Bengal and Madras, Directors of Industries, Directors of Land Records, Directors of Veterinary Services, Police Commissioners, Inspector General of Railway Police and Police Assistant to the Agent to the Governor-General, Rajputana, Inspectors General of Registration, Principal, Research Institute, Cawnpore Registrars of Co-operative Societies, Superintendent of Manufacture, Clothing Factory, Shaljahannpore

50 District Judges not being Sessions Judges, within their own districts

51 First Assistants to the Residents at Baroda and in Kashmir

52 Chairman of the Port Trust, Aden, and Military Secretaries to Governors

53 Senior Chaplains other than those already specified

54 Sheriffs within their own charges

55 Collectors of Customs, Collectors and Magistrates of Districts, Collector of Salt Revenue, Madras & Bombay, Collector of Stamp Revenue and Deputy Collector of Land Revenue, Calcutta, Commissioner of Ajmer-Merwara, Deputy Commissioners of Districts, Deputy Commissioner, Port Blair, Deputy Secretaries to Local Governments, Divisional and District and Sessions Judges (including the Judicial Commissioner of Chota Nagpur), Judicial Assistant, Aden, Political Agents and Superintendents Residents (other than those of the 1st and 2nd Class), Second Assistant Resident and Protectorate Secretary, Aden, and Settlement Officers

56 Assistant Executive Engineers of 20 years standing, Chief Forest Officer, Andaman and Nicobar Islands, Controller of Inspection, Calcutta Circle, Indian Stores Department,

Calcutta Circle, Indian Deputy Directors of Department, Deputy Directors of Commercial Intelligence, Deputy Director General of Archaeology, Deputy Director of Industries, United Provinces, Deputy Registrar of Co-operative Societies, United Provinces Government Solicitors other than the Solicitor and Assistant Solicitor to the Government of India, Managing Director Opium Factory Ghazipur, Officers of the Indian Educational Service and of the Indian Institute of Science of 18 years' standing, Principals of major Government Colleges, Principal, School of Mine and Geology, Registrars to the High Courts, Secretaries to Legislative Councils, Superintendent of the Government Ice House, Superintendents of the Survey of India, Assistant Collectors of Customs, Assistant Director General of the Post Office, Deputy Postmasters General, Deputy Conservators of Forests, Divisional Engineers and Assistant Divisional Engineers, Telegraphs, Divisional Engineers and Assistant Divisional Engineers, Wireless Executive Engineer of the Indian Service of Engineers holding a charge declared to be of not less importance than that of a division, Forest Engineers Instructor Wireless, Officers of the Archaeological and other Scientific Departments, Officers of the Indian Agricultural Service, Officers of the Indian Veterinary Service, Officers of Class II of the General or the Public Works List of the Indian Audit and Accounts Service, Officers on the Superior List of the Military Accounts Department, Officers of the Superior Revenue Establishment of State Railways, who hold the rank of District Officer or a position of similar status, Officers of the 1st Division, Superior Traffic Branch of the Telegraph Department, Senior Inspector of Mines, Superintendents and Deputy Commissioners of Police, Wireless Research Officers, Officers of the Bengal Pilot Service of 21 years standing

57 Assistant Solicitor to the Government of India, Deputy Director of Public Information, Government of India, and Under Secretaries to the Government of India

58 Agent General in India for the British Protectorate in Africa under the administration of the Colonial Office, Consulting Surveyor to the Government of Bombay, Directors of Survey, Madras and Bengal, Keeper of the Records of the Government of India, Librarian Imperial Library, Public Analyst to the Government of Madras

59 Chemical Inspector, Indian Ordnance Department, Civil Engineer Adviser to the Director of Ordnance Factories and Manufacture, Civil Secretary and District Magistrate, Aden, District Judges not being Sessions Judges, Inspector of General Stores, Majors, Members of the Indian Civil Service of 12 years' standing, Superintendents and Deputy Commissioners of Police of more than 15 but less than 20 years standing, and Works Managers of Ordnance Factories Sanitary Electrical and Architectural Specialist officers will take precedence in accordance with the rank in the Public Works Department fixed for their appointments but junior to all Public Works Department officers of the corresponding rank

Persons	No of Guns	Occasions on which salute is fired
Residents, 1st Class	13	} Same as Governors
Agents to the Governor-General	13	
Commissioner in Sind	13	
Agent to the Governor in Kathiawar	13	
Residents, 2nd Class	13	} On assuming or relinquishing office, and on occasion of a <i>public</i> arrival at, or departure from a military station
Political Agents (b)	11	
Commander in-Chief in India (if a Field Marshal)	19	} On assuming or relinquishing office On <i>public</i> arrival at, or departure from, a military station, and on formal ceremonial occasions Also on occasions of private arrival or departure, if desired
Commander in Chief in India (if a General)	17	
Naval Commander in-Chief, East Indies Squadron (c).	.	Same as for military officer of corresponding rank (<i>see</i> K R)
G O, C in C-Commands (d)	15	} On assuming or relinquishing command, and on occasions of <i>public</i> arrival, at or departure from, a military station within their command Also on occasions of private arrival or departure, if desired
Major-Generals Commanding Districts (d)	13	
Major Generals and Colonel Commandants Commanding Brigades (d)	11	

Permanent Salutes to Ruling Princes and Chiefs

Salutes of 21 guns

Baroda The Maharaja (Gackwar) of
Gwalior The Maharaja (Scindia) of
Hyderabad The Nizam of
Jammu and Kashmir The Maharaja of
Mysore The Maharaja of

Cutch The Maharao of
Jaipur The Maharaja of
Jodhpur (Marwar) The Maharaja of
Karauli The Maharaja of
Kota The Maharao of
Patna The Maharaja of
Rewa The Maharaja of
Tonk The Nawab of

Salutes of 19 guns

Bhopal The Begam (or Nawab) of
Indore The Maharaja (Holkar) of
Kajal The Khan (Wali) of
Kolhapur The Maharaja of
Travancore The Maharaja of
Udaipur (Mewar) The Maharana of

Salutes of 15 guns

Alwar The Maharaja of
Banswara The Maharawal of
Bhutan The Maharaja of
Datta The Maharaja of
Dewas (Senior Branch) The Maharaja of
Dewas (Junior Branch) The Maharaja of
Dhar The Maharaja of
Dholpur The Maharaj Rana of
Dungarpur The Maharawal of
Idar The Maharaja of
Jaisalmer The Maharawal of,

Salutes of 17 guns

Bahawalpur The Nawab of
Bharatpur The Maharaja of
Bikaner The Maharaja of
Bundi The Maharao Raja of
Cochin The Maharaja of

(b) Within the territories of the State to which they are attached

(c) According to naval rank, with two guns added

(d) No military officer shall receive an artillery salute unless he is in actual military command and is the senior military officer in the spot Attention is invited to the extra guns allowed for individuals

Khalpur The Mir of
 Kishangarh The Maharaja of
 Orchha The Maharaja of
 Partabgarh The Maharaja of
 Rampur The Nawab of
 Sikhim The Maharaja of
 Sirohi The Maharaja of.

Salutes of 13 guns

Benares The Maharaja of
 Bhavnagar The Maharaja of
 Cooch Behar The Maharaja of
 Dhrangadhra The Maharaja of
 Jaora The Nawab of
 Jhalawar The Maharaja-Rana of
 Jind The Maharaja of
 Junagadh The Nawab of
 Kapurthala The Maharaja of
 Nabha The Maharaja of
 Nawanganj The Maharaja of
 Palampur The Nawab of
 Porbandar The Maharaja of
 Rajpipla The Maharaja of
 Ratlam The Maharaja of
 Tripura The Maharaja of

Salutes of 11 guns

Ajaigarh The Maharaja of.
 Alwar The Raja of
 Baoni The Nawab of
 Barwan The Rana of
 Bijawar The Maharaja of.
 Bilaspur. The Raja of
 Cambay The Nawab of.
 Chamba The Raja of
 Charkhari The Maharaja of
 Chhatargarh The Maharaja of
 Faridkot The Raja of
 Gondal The Thakur Saheb of
 Janjira The Nawab of
 Jhabua The Raja of
 Maler Kotla The Nawab of
 Mandi The Raja of
 Manipur The Maharaja of
 Morvi The Maharaja of.
 Narasinggarh The Raja of.
 Panna The Maharaja of
 Pudukkottai The Raja of
 Radhanpur The Nawab of
 Rajgarh The Raja of.
 Sailana The Raja of.
 Samthar The Raja of.
 Sirmur The Maharaja of.
 Sitamau The Raja of.
 Suket The Raja of.
 Tehri The Raja of.

Salutes of 9 guns

Balasinor The Nawab (Babi) of
 Banganapalle The Nawab of
 Bansda The Raja of
 Baraundha The Raja of.
 Bariya The Raja of
 Bhore The Pant Sachin of
 Chhota Udepur The Raja of
 Danta The Maharana of
 Dhrol The Thakur Saheb of
 Hisar The Sawbwa of
 Jawhar The Raja of
 Kalahandi The Raja of
 Kengtung The Sawbwa of
 Khilchpur The Rao Bahadur of
 Limbdi The Thakur Saheb of
 Loharu. The Nawab of
 Lunawada The Raja of
 Maihar The Raja of
 Mayurbhanj The Maharaja of
 Mudhol The Raja of
 Nagod The Raja of
 Palitana The Thakur Saheb of
 Patna The Maharaja of
 Rajkot The Thakur Saheb of
 Sachin The Nawab of
 Sangli The Chief of
 Sant The Raja of
 Savantvadi The Sar Desai of
 Shahpura The Raja of
 Sonpur The Maharaja of
 Vankaner The Raja Saheb of
 Wadhwan The Thakur Saheb of
 Yawnghwe The Sawbwa of

Personal Salutes

Salutes of 21 guns

Kalat His Highness Mir Sir Mahmud Khan
 G.C.I.E., Wali of

Salutes of 19 guns

Bikaner Lieut-General His Highness Maharaja
 Sir Ganga Singh Bahadur, G.C.I., G.C.I.E.,
 G.C.V.O., G.B.E., K.C.B., A.D.C., Maharaja of
 Kotah Lieutenant-Colonel His Highness
 Maharao Sir Umed Singh Bahadur, G.C.I.,
 G.C.I.E., G.B.E., Maharao of
 Mysore Her Highness Maharani Kempa
 Nanjamma Avaru Vanivilas Sannidhana
 C.I., Maharani of
 Patiala Lieut-General His Highness Maharaja
 Bhupinder Singh Mahendra
 Bahadur, G.C.I., G.C.I.E., G.C.V.O., G.B.E.,
 A.D.C., Maharaja of
 Tonk H. H. Amin-ud-Daula Wazir-ul-Mulk
 Nawab Sir Muhammad Ibrahim Ali Khan
 Bahadur Saulat Jang, G.C.I., G.C.I.E.,
 Nawab of

Salutes of 17 guns

Alwar Colonel His Highness Sewai Maharaj
Shri Jey Singhji, G C I E, K C S I, Maharaja of

Dholpur Lieutenant Colonel His Highness
Maharajadhiraja Shri Sawai Maharaj-Rana
Sir Udaibhan Singh Lokindar Bahadur Diler
Jang Jai Deo, K C S I, K C V O, Maharaja
Rana of

Orchha His Highness Maharaja Mahendra
Sawai Sir Pratap Singh Bahadur, G C S I,
G C I E, Maharaja of

Salutes of 15 guns

Benares Lieutenant-Colonel His Highness
Maharaja Sir Parbhu Narayan Singh
Bahadur, G C S I, G C I E, Maharaja of

Jind Lieutenant Colonel His Highness
Maharaja Sir Ranbir Singh Rajendra Baha-
dur, G C I E, K C S I, Maharaja of

Junagadh His Highness Vali Ahad Mohab
Khanji Rasulkhanji, Nawab of

Kapurthala Colonel His Highness Maharaja
Sir Jagatjit Singh Bahadur, G C S I, G C I E
G B E, Maharaja of

Nawanagar Colonel His Highness, Maharaja
Shri Digvijaysinhji, Maharaja of

Salutes of 11 guns

Aga Khan, His Highness Aga Sir Sultan
Muhammad Shah, G C S I, G C I E, G C V O, of
Bombay

Bariya Captain H H Maharawal Shri Sir
Ranjitsinhji Mansinhji, K C S I, Raja of

Chitral His Highness Mehtar Sir Shuja u-
Mulh, K C I E, Mehtar of

Dharampur H H Maharaja Vijayadevi of

Lunawada His Highness Maharana Birbhadra
sinhji, Raja of

Singh, Lt-Meherban Sir Chintamanrao
Dhundiro alias Appa Saheb Patwardhan,
K C I E, Raja of

Wankaner Captain His Highness Raj Saheb
Sir Amarsinhji Banesinhji, K C I E, Raja
Saheb of

Salutes of 9 guns

Bashahr Raja Padam Singh, Raja of
Loharu Nawab Sir Amir-ud-din Ahmad Khan
Bahadur, K C I E, ex Nawab of

Mong Mit, Uklun Maung, K S M, Sawbwa of

Local Salutes*Salutes of 21 guns*

Bhopal The Bezam (or Nawab) of. Within
the limits of her (or his) own territories,
permanently

Indore The Maharaja (Holkar) of Within
the limits of his own territories, permanently

Udaipur (Mewar) The Maharana of With-
in the limits of his own territories, per-
manently

Salute of 19 guns

Bharatpur The Maharaja of

Bikaner The Maharaja of

Cutch The Maharao of

Jaipur The Maharaja of

Jodhpur (Marwar) The Maharaja of

Patiala The Maharaja of

(Within the limits of their own territories
permanently)

Salute of 17 guns

Alwar The Maharaja of

Khairpur The Mir of

(Within the limits of their own territories
permanently)

Salutes of 15 guns

Benares The Maharaja of

Bhavnagar The Maharaja of

Jind The Maharaja of

Junagadh The Nawab of

Kapurthala The Maharaja of

Nabha The Maharaja of

Nawanagar The Maharaja of

Ratlam The Maharaja of

(Within the limits of their own territories,
permanently)

Salutes of 13 guns

Jamira The Nawab of (Within the limits
of his own territory, permanently)

Salutes of 11 guns

Savantadi The Sar Desai of Within the limits of his own territory, permanently,

Salutes of 9 guns

Abu Dhabi The Shaikh of Fired by British Ships of War in the Persian Gulf at the termination of an official visit by this Chief

Bunder Abbas The Governor of }
 Bushah The Governor of } At the termination of an official visit
 Muhammerah The Governor of }

Muhammerah Eldest son of the Shaikh of }
 Fired on occasions when a British Person of High Majesty ships call for representation at the

Salutes of 7 guns

Ajman The Shaikh of }
 Dibai The Shaikh of } Fired by British Ships of War in the Persian Gulf at the termination of official visit by this Chief
 Ras al Khaima The Shaikh of }
 Sharjah The Shaikh of }
 Umm ul Qawaïn The Shaikh of }

TABLE OF LOCAL PERSONAL SALUTES

Salutes of 11 guns

His Excellency Shaikh Sir Ibrahim Ali al Khan }
 Rifah, F.O.E., C.S.I., Shaikh of Bahrain } Fired by British Ships of War in the Persian Gulf at the termination of an official visit by this Chief

(TABLE OF) PROVISIONAL LOCAL SALUTES

Salutes of 17 guns

Council of Ministers (as a whole) of His Highness the Sultan of Muscat

Salutes of 13 guns

The President of the Council of Ministers of His Highness the Sultan of Muscat, when a member of the ruling family

Salutes of 9 guns

The President of the Council of Ministers of His Highness the Sultan of Muscat when not a member of the ruling family

Salutes of 7 guns

Bahrain The Shaikh of
 Kuwait The Shaikh of
 Muhammerah The Shaikh of
 Qatr The Shaikh of

Salutes of 5 guns

Bahrain Eldest son of the Shaikh of, or other }
 member of the ruling family }
 Kuwait Eldest son of the Shaikh of, or other } Fired when acting as Deputy of these Chiefs
 member of the ruling family }
 Individual Members of the Council of Ministers of His Highness the Sultan of Muscat

(TABLE OF) PROVISIONAL PERSONAL SALUTES

Salutes of 13 guns

His Excellency Shaikh Sir Khaz'al Khan, }
 G.O.E., K.S.I., Shaikh of Muhammerah } Fired by British Ships of War in the Persian Gulf at the termination of an official visit by this Chief

Indian Orders.

The Star of India.

The Order of the Star of India was instituted by Queen Victoria in 1861, and enlarged in 1866, 1875, 1876, 1897, 1902, 1911, 1915 and 1920 and the dignity of Knight Grand Commander may be conferred on Princes or Chiefs of India, or upon British subjects for important and loyal service rendered to the Indian Empire, the second and third classes for services in the Indian Empire thirty years in the department of the Secretary of State for India. It consists of the Sovereign, a Grand Master (the Viceroy of India), the first class of forty-four Knights Grand Commanders (22 British and 22 Indian), the second class of one hundred Knights Commanders, and the third class of two hundred and twenty-five Companions, exclusive of Extra and Honorary Members, as well as certain additional Knights and Companions.

The Insignia are (i) the Collar of gold, composed of the lotus of India, of palm branches tied together in satire, of the united red and white rose, and in the centre an Imperial Crown, all enamelled in their proper colours and linked together by gold chains. (ii) The Star of a Knight Grand Commander is composed of rays of gold issuing from a centre, having thereon a star of five points in diamonds resting upon a light blue enamelled circular riband, tied at the ends and inscribed with the motto of the Order, *Heaven's Light our Guide*, also in diamonds. That of a Knight Commander is somewhat different, and is described below. (iii) The Badge, an onyx cameo having Her Majesty Queen Victoria's Royal Effigy thereon, set in a perforated and ornamental oval, containing the motto of the Order surmounted by a star of five points, all in diamonds. (iv) The Mantle of light blue satin lined with white, and fastened with a cordon of white silk with blue and silver tassels. On the left side a representation of the Star of the Order.

The ribbon of the Order (four inches wide for Knights Grand Commanders) is sky-blue, having a narrow white stripe towards either edge, and is worn from the right shoulder to the left side. A Knight Commander wears (a) around his neck a ribbon two inches in width of the same colours and pattern as a Knight Grand Commander, and pendent therefrom a badge of a smaller size, (b) on his left breast a Star composed of rays of silver issuing from a gold centre, having thereon a silver star of five points resting upon a light blue enamelled circular ribbon, tied at the ends, inscribed with the motto of the Order in diamonds. A Companion wears around his neck a badge of the same form as appointed for a Knight Commander, but of a smaller size pendent to a like ribbon of the breadth of one and a half inches. All Insignia are returnable at death to the Central Chancery, or if the recipient was resident in India, to the Secretary of the Order at Calcutta.

Sovereign of the Order — His Most Gracious Majesty The King Emperor of India

Grand Master of the Order — His Excellency the Viceroy and Governor-General of India, the Right Honourable Viscount Willingdon, P C, G M S I, G M I E, G B E

Officers of the Order — *Registrar* Col the Hon Sir George Arthur Charles Crichton, K C V O, Secretary of the Central Chancery of the Orders of Knighthood, St James' Palace London, W 1

Secretary The Hon'ble Mr B J Glancy, C S I, C I E, Secretary to the Government of India in the Foreign and Political Department

Extra Knights Grand Commanders (G C S I)

H I M The Queen-Empress
H R H The Duke of Connaught
H R H The Prince of Wales

Honorary Knights Commanders (K C S I)

His Excellency Shaikh Sir Khaz'al Khayn, G C I E, Sardar Aqdas, Shaikh of Muhammareh and dependencies

Prince Ismail Mirza, Motamad ed-Dowleh Amir i-Akram, son of His Royal Highness the late Sultan Sir Massoud Mirza, Yemin-ed-Dowleh, Zil-es-Sultan of Persia

Honorary Colonel Supradipta Manyabar General Sir Baber Shum Shere Jung, Bahadur Rana, G B E, K C I E, of Nepal ese Army (Nepal)

Honorary Companions

H H Sayid Sir Tamur bin Faisal bin-us Sayidi Turki, K C I E, Sultan of Masgat and Oman
Shaikh Hamad bin Isa al Khalifah, son of the Sheikh of Bahrain

His Excellency Shaikh Ahmad bin Jabina Sabah, C I E, Ruler of Kuwait

Knights Grand Commanders (G C S I)

H H The Gaekwar of Baroda
Baron Amptill
H H The Maharaja of Mysore
Baron Hurdingle of Penshurst
Sir John Hewett
H H The Maharaja of Bikaner
H H Manarao of Kotah
H H The Maharaja of Kapurthala
His Exalted Highness the Nizam of Hyderabad
H H The Aga Khan
H H The Maharao of Cutch
Viscount Willingdon
H H The Maharaja of Patiala
The Marquess of Reading
The Marquess of Zetland

H H The Maharaja of Alwar
 Baron Lloyd
 Viscount Lee of Fareham
 The Earl of Lytton
 Baron Irwin
 Sir Harcourt Butler
 Sir Leslie Wilson
 Viscount Goschen
 Sir William Birdwood
 The Right Honourable Sir John, Allsbrook
 Simon
 Field Marshal Sir Claud William Jacob
 His Highness The Maharaja of Udaipur
 His Highness The Maharaja of Kolhapur
 Viscount Peel
 Lieut Col The Right Honourable Sir Francis
 Stuckey Jackson
 H H The Nawab of Bhopal
 H L Sir William Malcolm Hailey
 H H The Maharaja of Kashmir
 Lieutenant Colonel The Right Honourable Sir
 Samuel John Gurney Hoare
 The Right Honourable Sir Frederick Hugh Sykes

Knights Commanders (K C S I)

Sir Hugh Shakespear Barnes
 Sir Arthur Henry Temple Martindale
 Sir Joseph Bampfylde Fuller
 Sir Charles Stuart Bayley
 H H Maharaja of Jind
 Sir George Stuart Forbes
 H H Maharaja of Ratlam
 Sir Harvey Adamson
 Nawab of Murshidabad
 Sir John Ontario Miller
 Sir Lionel Montague Jacob
 Sir Murray Hammick
 Sir Robert Warrand Carlyle
 Sir Reginald Henry Craddock
 Sir James McCrone Douie
 Lord Meston of Agra and Dunottar
 Sir Benjamin Robertson
 Maharajahdiraja of Burdwan
 Sir Elliot Graham Colvin
 Sir Trevredyn Rashleigh Wynne
 H H Maharaja of Dewas State (Senior Branch)
 Sir M F O'Dwyer
 Sir Michael William Fenton
 Colonel Sir Sidney Gerald Burrard
 Sir P Sundaram Aiyar Sivaswami Aiyar
 Sir Edward Albert Gait
 H H Nawab of Maler Kotla
 Sir William Henry Clark
 Major-General Sir Percy Zachariah Cox
 Sir Steyning William Edgerley
 Sir Harrington Verney Lovett
 Sir Robert Woodburn Gillan
 Maharaj Sri Sir Bharon Singh Bahadur
 Sir Alexander Gordon Cardew
 Lieut Col Sir Hugh Dalry
 Sir C H A Hill
 H H The Maharaja of Dhrangadhra
 Lieut-Col Sir F E Younghusband
 Sir T Morison
 Lieut-Gen G M Kirkpatrick
 Major Gen R C O Stuart
 Sir George Rivers Lowndes
 H H Maharajahdiraja Maharawal Sir
 Jowahir Singa Bahadur of Jaisalmer
 Sir Archdale Earle
 Sir Stuart Mitford Fraser

H H The Maharaja of Datta
 H H The Maharaj Rana of Dholpur
 Lieut-General Sir William Raine Marshall
 Sir William Vincent
 Sir Thomas Holland
 Sir James Bennett Brunyate
 Sir Sydney Arthur Taylor Rowlett
 Sir G Carmichael
 Dr Sir M E Sadler
 Major Gen Sir Harry Triscott Brooking
 Major Gen Sir George Fletcher MacMunn
 The Right Hon'ble Lord Southborough
 Sir George Barnes
 Sir Edward MacLagan
 Sir William Marris
 Sir K D Bertson-Bell
 Sir L J Kershaw
 Sir J Davidson
 The Hon'ble Sir O G Tolhunter
 Sir Henry Wheeler
 Sir H R C Dobbs
 Captain His Highness Maharawal Shri Sir Ran-
 Jitsinghi Mansinghi, Raja of Barla
 Sir Hamilton Grant
 Sir John Henry Kerr
 Dr Sir Tej Bahadur Sapru
 Major General Sir Havlock Charles
 The Hon'ble Sir Ibrahim Rahimtulla
 Sir Charles Innes
 The Maharao of Sirohi
 H E Sir Montagu Butler
 H H The Maharaja of Rajpipla
 Sir Frederick Nicholson
 H H The Maharaja of Todhpur
 Sir Frederic White
 The Hon'ble Sir Maurice Hayward
 Sir Abdur Rahim
 H H the Nawab of Junagadh
 Sir Basil Blackett
 Sir Henry Lawrence
 H H The Maharaja of Rewa
 Sir Bhupendranath Mitra
 Sir Chunilal V Mehta
 Sir S P O'Donnell
 H H Sir Hugh Lansdown Stephenson
 H L Sir Egbert Laurie Lucus Hammond
 Khan Bahadur Sir Muhammad Habibullah
 Sir William John Keith
 Nawab Sir Sidiq Muhammad Khan of Bahawal-
 pur
 H H the Maharaja of Porbunder
 H L Sir Geoffrey de Montmorency
 Sir James Crear
 Sir Jean Rieu
 Sir George Lambert
 H H The Maharaja of Morvi
 Sir George Rany
 Sir Ernest Hotson
 Sir Denis Bray
 Sir Atul Chandra Chatterjee
 His Highness the Raja of Mandi
 Thakor Saheb of Limbdi
 Sir Norman Majoribanks
 The Hon'ble Sir George Schuster
 The Hon Sir Brojendra Lal Mitter, Kt
 H H Maharaja Mahendra Sir Yadvendra Singh
 Bahadur, K C I E, of Panna
 Major H H Raja Narendra Shah, of Tehri
 The Hon Sir John Peronet Thompson
 Major General Sir Leonard Rogers
 H E Sir James David Sifton

H E Sir Michael Kerneil
 Lieut.-Col H E Sir Ralph Griffith
 The Hon'ble Khan Bahadur Mian Sir Fazl-i-Husain
 The Hon'ble Sir Joseph William Bhore
 The Hon'ble Sir Harry Haig
 The Hon'ble Captain Nawab Sir Muhammad Ahmed Suid Khan, of Chittari
 The Hon'ble Sir Prorash Chandra Mitter
 The Hon'ble Sir Henry Daffield Crick
 Vice Admiral Sir Humphrey Thomas Walwyn
 Sir Reginald Arthur Mant
 H E Sir Herbert William Emerson
 H H the Maharaja of Benares
 Sir Ghulam Husain Hidayatullah
 H E Sir Clarendon Gowan
 H H the Maharaja of Manipur
 Sir Edward Maynard des Champs Chamier

Companions (C S I)

Col Charles Edward Yate
 Henry Aiken Anderson
 Lieut.-Col Sir Arthur Henry McMahon
 Sir Frederick Styles Philpin Lely
 Charles Gerwien Bayne
 Hartley Kennedy
 William Charles Macpherson
 Col James Alexander Lawrence Montgomery
 William Thomas Hall
 Richard Townsend Greer
 Sir Louis William Dane
 Hermann Michael Kisch
 Sir Cecil Michael Wilford Brett
 Sir Frank Campbell Gates
 John Mitchell Holms
 Raja Narendra Chand
 Oscar Theodore Barrow
 Francis Alexander Slacke
 Percy Comyn Lyon
 William Arbuthnot Inglis
 John Alexander Broun
 Maurice Walter Fox-Strangways
 William Lochiel Sapte Lovett Cameron
 Maj-Gen Sir Henry Montague Pakington
 Hawkes
 Francis Capel Harrison
 Andrew Edmund Castle Stuart Stuart
 Norman Goodford Cholmeley
 Walter Francis Rice
 Rear-Admiral Allen Thomas Hunt
 Sir John Walter Rose
 Charles Ernest Vear Goumont
 George Moss Harriott
 Ernest Herbert Cooper Walsh
 Sir Edward Vere Levinge
 Lieut.-Col Charles Archer
 James Peter Orr
 Herbert Alexander Casson
 William Axel Hertz
 Brevet-Colonel Sir Clive Wigram
 Herbert Thompson
 Lieut.-Col Sir John Ramsay
 Stuart Lockwood Maddox
 Dr Sir Gilbert Thomas Walker
 Lieut.-Col Phillip Richard Thornhagh Gurdon
 Major Edmund Vivian Gabriel
 Sir John Stuart Donald
 Henry Montague Segundo Mathews
 Maulvi Sir Ahmad Hussain Nawab Amir Jang Bahadur
 Sir Horace Charles Mules

Lieut.-Col Arthur Russell Aldridge
 Lieut.-Col Sir Mathew Richard Henry Wilson
 John Charles Burnham
 Col Thomas Francis Bruce Renny-Tailyou
 Col Alain Chartier de Lotbiniere Joly de Lotbiniere
 Lieut.-Col Charles Mowpray Dallas
 Edward Henry Scamander Clarke
 Sir Jagadish Chandra Bose
 Oswald Campbell Lees
 Lieut Col Albert Edward Woods
 William Exall Tempest Bennett
 William Ogilvie Horne
 William Harrison Moreland
 Col Lestock Hamilton Reid
 Surg.-Gen Henry Wickham Stevenson
 Honorary Lieut.-Col Raja of Lambagraon
 Lieut.-Col Donald John Campbell MacNabb
 Henry Venn Cobb
 Frederick William Johnston
 William Henry Lucas
 Arthur Leslie Saunders
 Raja Sir Daljit Singh of Jullunder
 Sir Walter Maude
 Sir Henry Ashbrooke Crump
 Sir William James Reid
 Walter Gunnell Wood
 John Cornwallis Godley
 A Butterworth
 Lt.-Col A B Dew
 Sir Hugh T Keeling
 Sir Henry Sharp
 Sir Robert R Scott
 Rear-Admiral Arthur Hayes-Sadler
 Laurence Robertson
 Sir John Ghest Cumming
 Lieut.-Col Stephen Lushington Aplin
 Sir James Houssemayne DuBoulay
 Major-General Sir Arthur Wigram Money
 T A Chalmers
 R Burn
 Sir Godfrey B H Fell
 Major-General Sir W C Knights
 Lt.-Col Sir Cecil Kaye
 Sir Patrick James Fagan
 Lt.-Col Lawrence Impey
 Col Benjamin William Marlow
 Lt.-Col Harold Fenton Jacob
 Lt.-Col Francis Beville Prideaux
 Lt.-Col Stuart George Knox
 Col Sir Hugh Whitchurch Perry
 Henry Cecil Ferard
 Charles Evelyn Arbuthnot William Oldham
 Francis Coope French
 Sir Horatio Norman Bolton
 Major-General J C Rimington
 Colonel H R Hopwood
 Brig.-General R H W Hughes
 L E Buckley
 C H Bompas
 M M S Gubbay
 Major Gen J M Walter
 Brig.-General W G Hamilton
 Major Sir Alexander J Anderson
 Major General Sir Theodore Fraser
 Col Thomas A Harrison
 Major-General L O Dunsterville
 Sir Hugh McPherson
 Sir Henry Fraser Howard
 Lieut.-Col Herbert Des Voeux

- Col Charles Rattray
 Sir Evelyn Berkeley Howell
 Major-General Sir Felix Lordatli Ready
 Col Herbert Evan Charles Bayley Nepean
 Lieut.-Col Patrick Robert Cadell
 Lieut.-Col Montagu William Douglas
 Richard Meredith
 Sir Manubhai Nandshankar Mehta
 Lieut.-Col Sir Thomas Wolseley Haig
 Herman Cameron Norman
 Major-General James Wilton O Dowda
 Bravet-Lieut Col Sir Arnold Talbot Wilson
 Colonel (temporary Colonel on the staff) Charles
 Ernest Graham Norton
 Captain Wilfrid Nunn
 Major General Hubert Isacke
 Colonel Stewart Gordon Loch
 Col Frederick James Moberly
 Brigadier Gen Robert Fox Sorstable
 Colonel Alan Edmondson Tate
 Major-Gen William Cross Barratt
 Temporary Brigadier-General Sir Edward Hugh
 Bray
 Col (Honorary Brigadier-Gen) Arthur Howarth
 Pryce Harrison
 Colonel (temporary Major Gen) Frank Ernest
 Johnson
 Major-General Robert Archibald Cassels
 Frederick Campbell Rose
 Sir Selwyn Howe Fremantle
 Peter William Monie
 Major-General Charles Astley Fowler
 Colonel Michael Edward Willoughby
 Major-General Edward Arthur Fagan
 Major General Herbert William Jackson
 Lt-Col Arthur Leslie Jacob
 The Hon'ble William Pell Barton
 C F Payne
 W J J Howley
 Sir Bentram P Standen
 Sir John L Maffey
 Lieut.-Col J L W F French-Mullen
 Lt-Col J L R Gordon, O B
 Colonel C W Profeit
 H M R Hopkins
 R A Graham
 Chud Alexander Barron
 Sir Geoffrey R Clarke
 Lieut.-Col D Donald
 Khan Bahadur Sardar Muhammad Ali Khan
 Qizilbash
 Col G B M Sarel
 Major General F E. Coningham
 Col D A D McVean
 Col H G Burrard
 Col J H Foster Labin
 Major General G A H Beatty
 Sir Robert Holland
 C J Halifax
 Lieut General H F Cooke
 Lieut.-Col E M Proes
 L T Harris
 Sir Albion Rajkumar Banerji
 Sir Reginald Glancy
 W R Gourlay
 Lieut.-General Sir Kenneth Wigram, I A
 Rai Bahadur Dewari Bishan Das
 Sir Arthur Rowland Knapp
 Charles Montagu King
 Rai Bahadur Raja Pandit Hari Kishan Kaul
 S R Hignell
- Major-General S I Muspratt
 W L Copleston
 Frederick B Evans
 B C Allen
 J L Webster
 Dissan Bahadur Raghunatha Rao Ram Chandra
 Rao Avargal
 Sardar Bahadur Nawab Mehrab Khan, Chief
 of Bugti Tribe
 Sir Godfrey John Vignoles Thomas, Bart.
 Capt Dudley Burton Napier North
 Sir Edward M Cook I O S
 Sir Francis Charles Griffith
 Maharaj Shri Iatch Singh
 I Hullah
 Sir John F Campbell
 I Wline
 The Hon'ble Sir James Donald
 Lt Col Sir W I T O Connor
 E S Lloyd
 L F Morshend
 Sir S A Smyth
 Colonel W H Jefferey
 C G Adam
 Diwan Bahadur T Raghavayya Pantulu Garu
 Raja Ijaz Rasul Khan of Jehangirabad
 D H Ices
 H P Toffinton
 A W McNair
 F Noyce
 W Sutherland
 Captain Sir L J Headlam
 S E Stewart
 Sir D F Chadwick
 M L Couchman
 F G Pratt
 Sir R Oakden
 Major General Sir T H Symons
 I Lewisohn
 W P Sangster
 T Lamerson
 A H. Ley
 Sir H Burdon
 A W Pim
 The Hon'ble Mr A W Botham
 L Birley
 N Menckel
 Sir A Y G Campbell
 Lieut.-Col S B A Patterson
 B Foley
 A Langley
 Lieutenant-Colonel M L Ferrar
 The Hon ble Brigadier General Sir T H Keyes
 R J S Dodd
 Major H G Vaur
 Sir Leonard Reynolds
 H G Stokes
 Raja Bhagchand, Raja of Jubbal
 J C Ker
 Sir M G Simpson
 Lt-Colonel C C E Bruce
 R T Harrison
 C F Mullings
 H L Birdwood
 J Ghosal
 I H Field
 W H J Wilkinson Gulleimard
 H A Thornton
 C J Irwin
 J E C Jukes

H A B Vernon
 The Hon'ble Mr Thomas Couper
 Nawab Mirlik Haviat Khan Nun
 Kunwar Jagdish Prasad
 H K Briscoe
 G Wiles
 Sir Charles Tegart
 C Latimer
 J H Garrett
 C B Cunningham
 T H Morony
 Raja Padam Singh, Raja of Bashahr
 L M Stubbs
 G Cunningham
 Col W H Evans
 G S Wilson
 Lieut-Colonel G D Ogilvie
 J A Shuldry, I C S
 Robert Duncan Bell
 John Turlton Whitty
 Henry George Walton, I C S
 Sir George Anderson, Kt
 Colonel John Philip Cameron, I M S.
 David George Mitchell, I C S
 Douglas Gordon Harris
 Brevet-Colonel Frederic Percival Mackie
 The Hon'ble Mr Idwal Geoffrey Lloyd, I C S
 The Hon'ble Mr Bertrand James Glancy
 The Hon'ble Mr John Collard Bernard Drake, I C S
 Charles William Aldis Turner, I C S
 Charles Alexander Souter, I C S
 The Hon'ble Mr John Austen Hubback, I C S
 Digby Livingstone Drake-Brockman, I C S
 John Arthur Laing Swan, I C S
 Arthur Ralph Astbury
 H A F Metcalfe
 H Culvert
 C B Cotterell
 E C Meville
 R M Maxwell
 A H Mackenzie
 W H Lewis
 A H Lloyd
 R N Reid
 T M Clay
 R H Thomas
 R B Lwbank

The Most Eminent Order of the Indian Empire

This Order, instituted by H M Queen Victoria, Empress of India, December 1877, and extended and enlarged in 1886, 1887, 1892, 1897, 1902, 1911, 1915 and 1920 is conferred for services rendered to the Indian Empire, and consists of the Sovereign, a Grand Master, forty Knights Grand Commanders (of whom the Grand Master is first and principal), one hundred and forty Knights Commanders, and an indefinite number of Companions (not exceeding, without special statute, 20 nominations in any one year), also Extra and Honorary Members over and above the vacancies caused by promotion to a higher class of the Order, as well as certain Additional Knights and Companions appointed by special statute Jan 1st, 1909, commemorative of the 50th Anniversary of the assumption of Crown Govt in India.

The Insignia are (1) The COLLAR of gold formed of elephants, lotus flowers, peacocks in their pride and Indian roses, in the centre the

Imperial Crown, the whole linked together with chains, (2) The STAR of the Knight Grand Commander, comprised of five rays of silver, having a small ray of gold between each of them the whole alternately plain and scaled, issuing from a gold centre, having thereon Her Majesty Queen Victoria's Royal Effigy within a purple circle, edged and lettered gold inscribed *Imperatrix Auspiciis*, and surmounted by an Imperial Crown gold (3) The BADGE consisting of a rose, enamelled gules barbed vert, and having in the centre Her Majesty Queen Victoria's Royal Effigy, within a purple circle, edged and lettered gold, inscribed *Imperatrix Auspiciis* surmounted by an Imperial Crown, also gold, (4) The MANTLE is of Imperial purple satin, lined with and fastened by a cordon of white silk, with purple silk and gold tassels attached. On the left side a representation of the Star of the Order

A Knight Commander wears (a) around his neck a ribbon two inches in width of the same colour (purple) and pattern as a Knight Grand Commander, pendent therefrom a badge of smaller size (b) on his left breast a star, similar to that of the first class, but the rays of which are all of silver

The above mentioned Insignia are returned at death to the Central Chancery, or if the Knight was resident in India to the Secretary of the Order

A Companion wears around his neck a badge (not returnable at death) of the same form as appointed for a Knight Commander, but of smaller size, pendent to a like ribbon of the breadth of one and a half inches

Sovereign of the Order—His Most Gracious Majesty The King-Emperor of India

Grand Master of the Order—H E the Viceroy (Viscount Willingdon)

Officers of the Order—The same as for the Order of the Star of India

Extra Knight Grand Commanders
 (G C I E)

The Duke of Connaught
 H R H The Prince of Wales

Honorary Knights Grand Commanders
 (G C I E)

H E Shaikh Sir Khazal Khan, Shukh of Mohammedrah and Dependencies
 H H Imam Sir Abdul Aziz bin Abdur Rahman bin Fusal al-Saud Sultan of Nejd and Dependencies
 H H the Prime Minister of Nepal

Honorary Knights Commanders
 (K C I E)

Sir Leon E Clement-Thomas
 Dr Sir Sven Von Hedin
 Cavaliere Sir Filippo De Filippi
 Honorary Colonel Supraditya Manjibar
 General Sir Baber Shumshere Jung Bahadur Rana of Nepal
 H H Sultan Sir Abdul Karim Fadhli bin Ali Sultan of Lahaj
 Sir Alfred Martineau
 Commanding General Sir Padma Shum Shere Jung Bahadur, Rana of Nepal

Genl Sir Tej Shum Shere Jung Bahadur, Rana of Nepal

H H General Sir Yang tseng hsin, Chiang, Chun and Governor of Hsin Kiang Province

General Sir Mohan Shumshere Jung Bahadur Rana of Nepal

H H Salvid Sir Taimur bin Jalsal bin us Salvid Turki, C S I, Sultan of Muscat and Oman

His Highness the Maharaja of Bhutan

H L Shukh Sir Ahmed Bin Jabral Sabab, Ruler of Kuwait

Knights Grand Commanders (G C I E)

H H The Maharao of Cutch

H H The Maharaja of Gondal

Lord Ampthill

H H The Aga Khan

Lord Lamington

Lt General Sir Edmond Liles

Sir Walter Lawrence

H H The Maharaja of Bikaner

H H The Maharao of Kotah

Maharaja Peshkar Sir Kishan Parbhad

Lord Hardinge

Sir Louis Dane

Sir Guy Fleetwood Wilson

H H The Maharaja of Patiala

Lord Willingdon

The Yuvaraja of Mysore

Sir Charles Stuart Buxley

H H The Maharaja of Jind

The Marquess of Zetland

Sir Michael Francis O'Dwyer

Sir Gulam Muhammad Ali, Prince of Arcot

Major-General Sir Percy Zachariah Cox

H H Tukoji Rao III, ex-Maharaja of Indore

Lord Lloyd

H H The Maharaja of Baroda

H H The Maharaja of Alwar

H H The Maharaja of Kapurthala

The Marquess of Reading

Lord Lytton

H H The Maharaja of Dhrangadhra

The Right Hon'ble Rowland Thomas Barling,

Earl of Cromer, CVO

Sir William Henry Hoare Vincent

Sir Harcourt Butler

Sir Reginald Craddock

Rt Hon Sir Leslie Orme Wilson

Maharajadhiraja Sir Bijay Chand Mahtab

Bahadur of Burdwan

Viscount Goschen

H H The Maharaja of Kolhapur

Lord Irwin

The Rt Hon Sir Francis Stanley Jackson

H E Sir Malcolm Hailey

H H Maharaja Sir Hari Singh of Kashmir

H L Sir Frederick Sykes

H H the Nawab of Bhopal

Marquess of Linlithgow

H E Sir Frederick Stanley

H H the Maharajah of Jodhpur

His Highness the Maharaja of Rewa

His Highness the Maharaja Rana of Dholpur

His Highness the Nawab of Junagadh

His Highness the Nawab of Bahawalpur

His Highness the Maharaja of Ratlam

His Highness Maharajadhiraja Maharao Sir Sarup Ram Singh Patiala, Maharao of Sirohi

Major His Highness Nawab Sir Talib Muhammad Khan, Nawab of Patunpur

H L the Right Honble Sir John Anderson

H H The Maharaja of Datta

H J Sir Geoffrey Fitzherbert De Montmorency

Sir Atul Chandra Chatterjee

His Excellency M H R Baron Palourne

His Highness the Nawab of Tanj

Knights Commanders (K C I E)

I x-Nawab of Loharu

Sir Andrew Wingate

Sir Alexander Cunningham

Sir James George Scott

Sir Frederick Augustus Nicholson

Sir Gangadharay Ganesh, Chief of Miraj (Senior Branch)

Brevet-Col Sir Buchanan Scott

Lieut-Col Sir Francis Edward Younghusband

Sir Fredric Styles Philipps Jely

Lt-Col Sir Arthur Henry McMahon

Dr Sir Thomas Henry Holland

Sir Trevellyn Rashleigh Wynne

Sir Richard Morris Dane

Sir Theodore Morison

Gen Sir Robert Irvin Scallon

Sir Archdale Farle

Sir Charles Stewart Wilson

Gen Sir Malcolm Henry Stanley Grover

Lieut Col Sir Hugh Daly

Sir Henry Parsall Burt

Sir James Housselman DuBoulay

Sir Rajendra Nath Mukharji

Lieut-Col Sir Henry Beaufoy Thornhill

H H The Nawab of Jaora

H H The Raja of Sitamaru

H H The Raj Sahab of Wankaner

Rear-Adm Sir Collin Richard Keppel

H H The Maharaja of Bijawar

Sir John Twigg

Sir George Abraham Grierson

Dr Sir Marc Aurel Stein

Dr Sir Alfred Gibbs Bourne

Sir Frank Campbell Gates

Sir George Macarthey

Sir Edward Douglas MacLagan

Major-Gen Sir George John Younghusband

Sir Brian Egerton

Sir Stephen George Saie

Sir Prabhshankar D Pattani

Lieut-Col Sir John Ramsay

Sir William Maxwell

Sir Mokshagundam Visvesvaraya

His Highness the Maharaja of Samthar

Sir John Stuart Donald

Lieut-Col Sir Percy Molesworth Sykes

Sir Edward Vere Levinge

The Hon'ble Raja Sir Rampal Singh of Iuri Sudhauri

The Hon'ble Lt-Col Nawab Malik Sir Umar Hayat Khan Tiwana

H E Sir Henry Wheeler

Khar Bahadur Nawab Sir Sahibzada Abdul Qayyum

Lieut-Gen Sir Henry D'Urban Keary	Sir Chimanlal H Setalvad
Sir George Cunningham Buchanan	Khan Bahadur Sir Muhammad Habibullah
Major-Gen Sir William George Lawrence Beynon	Sahib Bahadur
H H The Raja of Rajgarh	Sir H McPherson
Maharaja of Sonpur	Sir W J Reid
Sir Alfred Hamilton Grant	Sir L M D Chamier
Lieut-Col Maharaja* Sir Jai Chand, of	Sir R E Holland
Lambargaon	The Hon'ble Sir M B Dadabhoy
Rear-Admiral Sir D St A Wake	Sir G Roney
Lieut-Gen Sir Alfred Horsford Bingley	Sir C P Ramaswami Ayyar
Sir Godfrey Butler Hunter Fell	Sir S P O'Donnell
Lieut Gen Sir Thomas Joseph O'Donnell	Sir B P Standen
Major-Gen Sir Godfrey Williams	Sir Denys Bray
Sir Nicholas Dodd Beatson Bell	Sir H N Bolton
Sir William Sinclair Marris	Sir M V Joshi
His Highness Mehtar Sir Shuja ul Mulk Mehtar of	Sir John Thompson
Chitral	Sir William Barton
Maulvi Sir Rahim Bakhsh	Sir Frederick William Johnstone
Sir C E Low, ICS	Sir Cowasji Jehangir (Junior)
H H The Maharaja of Udaipur	Sir Grimwood Mears
Khan Bahadur Nawab Sir Mir Shams Shah,	Sir Norman Edward Marjoribank
ICS	The Hon'ble Lieutenant Sir Muhammad Ahme
Lieut-Gen Sir Edward Locke Elliot	dan S'ia Khan of Chhatari, U P
Lieut-Gen Sir Edward Altham Altham	Sir Reginald Glancy
Lieut-Gen Sir Charles Alexander Anderson	Sir Clement Hindley
Gen Sir Havelock Hudson	The Hon ble Khan Bahadur Miran
Major Gen Sir Wyndham Charles Knight	Sir Fazli Hussain
Major-Gen Sir Herbert Aveling Raitt	Sir Thomas Middleton
Major Gen Sir H F D Freeland	The Hon'ble Sir Alan Pim
Brevet-Lieut-Col Sir Arnold Talbot Wilson	Sir Frederic Gauntlett
2nd-Lt Meherban Sir M V. Raja Ghorpade,	The Hon'ble Lt-Col Sir B H St John
Raja of Mudbol	Sir Alexander M Stow
Sir W Maude, ICS	The Phakur Saheb of Palitana
Sir C M Stevenson Moore ICS	The Hon ble Sir Lancelot Graham
Major-Gen Sir Willfrid Malleson	Sir Edwin Lutyens
Major Gen Sir Patrick Hehir	The Hon'ble Sir Joseph Bhore
Sir J G Cumming	Sir Arthur Moberly
Sir H J Mavnerd	Sir Ross Barker
Lieut-Gen Sir Andrew Skeen	Sir Herbert Baker
H H The Nawab of Malerkotla	Sir Samuel Stewart
Sir H R C Dobbs	Sir Samuel Smyth
The Thakor Saheb of Limbdi	Sir Leonard Reynolds
Sir H A Crump	Sir James Sifton
Lt Col Sir A B Dew	The Hon Sir Archibald Young Glipps Campbell
Nawab Sir Khan-I-Zaman Khan, Nawab of Amb	Sir Evelyn Berkeley Howell, CSI, CIE
Raja Sir Muhammad Nazim Khan, Mir of Hunza	Sir Osborne Arkell Smith, Kt
Col Sir W H Willcox	The Hon'ble Sir Arthur Edward Nelson
H H The Maharaja of Panna	Sir Ceal Hermann Kisch
Sir P J Fagan	H H The Maharawal of Binswara
Sir Norcot Warren	The Hon'ble Khan Bahadur Sir Usman Sahib
Raja Sahib Sri Sir Govinda Krishna Yachendrule	Bahadur
varu of Venkatagiri	The Hon'ble Brigadier General Sir Terence
Sir C A Bell	Humphrey Keyes
Maulvi Sir Ahmad Husain Nawab Amin Jang	The Hon'ble Sir Walter Frank Hudson
Bahadur	The Hon ble Maj Genl Sir John Wallace Dick
Lieutenant-Colonel Sir T W Haug	Megaw
Sir John Henry Kerr	Maharajahdhiraja Sir Kameshwara Singh of
Vice-Admiral Sir Lionel Halsey	Darbhanga
H H The Maharaja of Sikkim	H H the Raja of Ali Rajpur
H H The Raja of Sangli	Sir Shanmukham Chetty
Sir H F Howard	Sir James Alexander Ossory Fitr Patrick
Sir A R Knapp	Sir Hopetoun Gabriel Stokes
H E Sir H L Stephenson	Sir Alexander Norman Ley Cater
Sir R A Mant	Sir Harry Alexander Fanshawe Lindsay
Sir B N Mitra	Sir Vernon Dawson
The Hon'ble Khan Bahadur Nawab Sir Muham-	
mad Muzammil ullah Khan of Bhikrampur,	
U P	

* Personal Hereditary title is Raja

Honorary Companions (C I E)

Laurent Marie Emile Beauchamp
 Dr Jean Etienne Justin Schneider
 Haji Mohammad Ali Rais ut-Tuffar of Muham-
 merah
 Sheikh Abdulla Bin Tsa, son of the Shaikh of
 Bahrain
 Mirza Ali Karam Khan Shuja-i Nizam, D
 Governor of Bandar Abbas
 Commanding-Col Ghana Bhikram
 Lieut-Col Partab Jung Bahadur Rana
 Major Alfred Paul Jacques Maesson
 Lieut-Col Gen Sugiyama, Imperial Japanese
 Army
 Lieut Richard Bernish
 Lieut Francois Pierre Paul Razy
 Lieut-Col Bhuban Bikram Rana
 Lieut Col Shamsheer Bikram Rana
 Lieut-Col Dumber Shumshere Thapa
 Lieut-Col Bhairab Shumshere Jung Bahadur
 Rana
 Lieut-Col Madan Man Singh Basniat
 Lieut-Col Gambhir Tung Thapa
 Lieut Col Chandra Tung Thapa
 Major Uttam Bikram Rana
 Captain Narsing Bahadur Basniat
 H E Shikh Abdullah bin Qasim al Thina,
 Shaikh of Qatar
 Taoyin Chur Chu Jui Ch'ih, Tao vin of Kashgar
 Sheikh Abdulla bin Jalow, Amir of Hasa
 Nobumiche Sakenobe
 Major Masanosuke Tsunoda
 His Excellency Muhammad Ibrahim Khan,
 Shaikr ul-Mulk
 Khan Sahib Yusuf Bin Ahmed Karoo, M B R
 Guruji Her raj
 Bada Ka, Darichiman Singh
 M A J Van Manen
 L J A Trip
 O Feidels
 A Friederich
 V Champion

Companions (C I E)

Thakur Bichu Singh
 Sir Rayner Child Barker
 Sir John Prescott Hewett
 Sir T Bampfylde Fuller
 Major Gen G F L Marshall
 Edward C S George
 Rao Bahadur Sri Ram Bhikaji Jatar
 Fazulbhai Visram
 Charles E Buckland
 Sir Steyning W Edgerley
 Lieut-Col W R Yeilding
 Hon'y Col Sir Henry J stanyon
 Frederick John Johnstone
 Francis Erskine Dempster
 Lieut Col John Shakespear
 Maharaj Rajashri Sankara Subbaier
 Khan Bahadur Mancherji Rustamji Dholu
 Sir Benjamin Robertson
 Sir Duncan James Macpherson
 Sir Robert Warrand Carlyle
 Henry Cecil Ferard
 Charles George Palmer
 Brevet-Col Samuel John Thomson
 Lieut-Col A B Minchin
 W T Van Someren

Lieut-Col W B Browning
 Madhava Rao, Vishwanath Patankar
 Col Walter Gawen King
 Lieut-Col Sir Frank Popham Young
 Edward Louis Caprell
 George Moss Harriott
 Henry Marsh
 Lieut-Col Bertrand Evelyn Mellish Gordon
 Sir Courtenay Walter Bennett
 Col John Crimmin
 Sir William Jameson Soulsby
 Lieut General Sir Thomas Edwin Scott
 Lieut Col Laurence Austine Waddell
 Mir Asaf Ali Khan, General
 Khan Bahadur Subadar-Major Sardar Khan
 Hon'y Capt Subadar Major Yasin Khan, Sardar
 Bahadur
 Sidney Preston
 Sir Murray Hammick
 Alexander Lauzun Pendock Tucker
 Lieut-Col John Clibborn
 Col George Wingate
 Lieut Col Frank Cooke Webb Ware
 Col Thomas Elwood Lindsay Bate
 Rao Bahadur Sir Pandit Sakdeo Parshad
 Sir Stuart Milford Fraser
 Walter Bernard deWinton
 Algernon Elliott
 Lt-Col Charles Arnold Kemball
 Edward Giles
 Lieut-Col Douglas Donald
 Dr Sir Jagadish Chandra Bose
 Raja Sir Sikandar Khan of Nagar
 Charles Henry Wilson
 George Huddleston
 Lieut-Col Montagu William Douglas
 Lieut-Col Sir Arthur D'Arcy Gordon Bannerman
 William Bell
 Sir Claude Hamilton Archer Hill
 Edward Henry Seamaner Clarke
 Webster Boyle Gordon
 Lieut-Col Robert Arthur Edward Benn
 Madhu Sudhan Das
 George James Perram
 Sir C Sankaran Nayar
 Walter Home
 Lieut-Col C W Waddington
 Lieut-Col Sir W F T O'Connor
 Lionel Truninger
 William Harrison Moreland
 Sir Montague de Pomeroy Webb
 Sir Hugh William Orange
 Lieut-Col Charles Archer
 Major Lionel Maling Wynch
 Major General William Arthur Watson
 Col Alain Chartier de Lotbiniere Joly de
 Lotbiniere
 Herbert Cunningham Clogston
 Sir Thomas Robert John Ward
 Major-Genl Sir Harry Davis Watson
 Sir Derek William George Keppel
 Lt-Col Sir David Prain
 Col William John Daniell Dundee
 The Hon'ble Sir Ibrahim Rahimtoola
 Sir Edward Albert Galt
 Robert Greig Kennedy
 Col Henry Thomas Pease
 Col Malcolm Sydenham Clarke Campbell

Maj-Genl Arthur Le Grand Jacob
 Frederick Palmer
 Francis St George Manners-Smith
 Sir Pazhamarneri Sundaram Aiyar Sivaswami
 Aiyar
 Field-Marshal Sir William Riddell Birdwood
 William Herbert Dobble
 Ralph Buller Hughes-Buller
 Lieut-Col Francis Frederic Perry
 Diwan Bahadur Sir Daya Kishen Kaul
 Lieut-Col Stuart Hill Godfrey
 Brigadier General Ernest William Stuart King
 Maconochy
 William Ellis Jardine
 Thomas Corby Wilson
 Sir Frederick Loch Halliday
 Percy Wyndham
 Cecil Ward Chichele-Flowden
 Lieut-Col Richmond Trevor Crichton
 Albert Claude Verrieres
 Muhammad Aziz-ud-din Khan
 Nilambar Mukharji
 Rai Bahadur Kali Prasanna Ghosh
 John Newlands
 Lieut-Col Henry Parkin
 H E Sir Montagu Sherard Dawes Butler
 Lieut-Col Stuart George Knox
 Edgar Thurston
 Sir James Bennett Brunvato
 Reginald Edward Enthoven
 Henry Venn Cobb
 Reginald Hugh Breton
 William Lochiel Berkeley Souter
 Joseph John Mullaly
 Dr Sir John Hubert Marshall
 Col Frank Goodwin
 Lieut-Col George Frederick Chenevix-Trench
 James Adolpus Guider
 Walter Culley Madge
 Lieut-Col Wallace Christopher Ramsay Stratton
 Lieut-Col Edward Gelson Gregson
 Col Benjamin William Marlow
 Herbert Gerald Tomkins
 Henry Whitby Smith
 The Hon'ble Lieut-Col Francis Beville Pri
 deaux
 Lieut-Col Ramsay Frederick Clayton Gordon
 Hopetoun Gabriel Stokes
 Lieut-Col Sir Leonard Rogers
 Sir Henry Sharp
 Rai Bahadur Diwan Jamiat Rai
 Alexander Muirhead
 Alexander Emanuel English
 Kaye Edward Robert Benkinsop
 Sir George Sanky Hart
 Col George Henry Evans
 Col Henry Burden
 William George Knight
 Rev Dr John Anderson Graham
 Sir Louis James Kershaw
 William Taylor Cathcart
 Hugh Murray
 Pandit Kailas Narayan Haksar
 Lieut-Col Ernest Douglas Money
 Col Hugh Roderick Stockley
 Lieut-Col John McKenzie
 Lieut-Col Richard Godfrey Jones
 Lieut-Col Sir James Reed Roberts
 Lieut-Col Lawrence Impey
 Sir Albion Rajkumar Banerji

Lieut-Col Frederick Fenn Elwes
 Cecil Archibald Smith
 Raja Sir Gurbaksh Singh Bedi
 Col Gilbert Walter Palin
 Col Robert Edward Pemberton Pigott
 Hony Lieut-Col Sir William Daniel Henry
 Gerald Francis Keatinge
 Lieut-Col John Glennie Greig
 Brig-Genl R E T Hogg
 C A Barron
 Charles Archibald Walker Rose
 Lieut-Col Arthur Denny's Gilbert Ramsay
 Pierce Langrishe Moore
 Sir Alfred Chatterton
 Major Arthur Abercromby Duff
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 Colonel Sir Sydney D'Agullar Crookshank
 Sir Edward Denison Ross
 Khan Bahadur Sir Muhammad Israr Hasan
 Khan
 Col Reginald O'Bryan Taylor
 Rai Bahadur Raja Pandit Hari Kishan Kaul
 Lieut-Col Frederic William Wodehouse
 Lieut-Col Charles Henry James
 Alexander Blake Shakespear
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 Lieutenant General Sir Edwin H de Vere
 Atkinson
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 Frank Adrian Lodge
 Hony Lieut-Col Sir Robert William Layard
 Dunlop
 Raja Hrish Kesh Laha
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 Alexander Macdonald Rouse
 Charles Cahill Sheridan
 Lieut-Colonel Herbert de Lisle Pollard Lowsley
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 Henry Cuthbert Streetfield
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 Col G S Crauford
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 James Gargrave Covertton
 Louis E B Cobden-Ramsay
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 Mudholkar
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 Sheikh Raiz Hussain, Khan Bahadur Nawab
 Berkeley John Byng Stephens
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 Lieut.-Col Frederick Marshman Bailey
 Sahibzada Sir Abdus Samad, Khan of Rampur
 Cecil Bernard Cotterell
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 Col Charles Henry Cowie
 Kunwar Sir Maharaaj Singh
 Sir David Petrie
 Godfrey Charles Denham
 Lt-Col Charles Joseph Windham
 Herbert George Chick
 Col Charles Henry Dudley Ryder
 Col Cecil Lyon John Allanson
 Rao Bahadur Chunnilal Harilal Setalvad
 John Norman Taylor
 Khan Bahadur Sardar Din Muhammad Khan
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 Douglas Marshall Straight
 Matthew Hunter
 John Tarlton Whitty
 Moses Mordecai Simeon Gubbay
 Major General Robert Charles MacWatt
 George Paris Dick
 Lieut.-Col William John Keen
 Khan Bahadur Sheikh Maqbul Hussain
 Col George Sim Ogg
 Capt M W Farewell
 Lieut.-Col John Bertram Cunliffe
 Colonel William Montague Ellis
 Raja Sir Venganaad Vasudeva, Raja Avargal
 Major-Genl James Jackson
 James Anderson Dickson McBain
 Christopher Addams-Williams
 Hammett Reginald Clode Hailey
 Robert Thomas Dundas
 Reginald George Kilby
 Egeiton Purves
 ur Bradley Ketlewell
 The Hon'ble Rai Bahadur Lala Ram Saran Das
 Hugh Aymer Thornton
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 Lt-Col William Gillitt
 Major G B Power
 Brig-General d'Arcy Charles Brownlow
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 Lt-Col F W Radcliffe
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 Col Westwood Norman Hay
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 Dr M Y Young
 Sir S M Burrows
 Sir P J Hartog
 Col (Hony Brig-Genl) H. A Young
 Col J H Dickson
 Lt-Col W E R Dickson
 Col William Edmund Price
 Lt-Col S M Price
 Col C B Stokes
 Major E S Gillett
 Commander E C Withers
 Lieut.-Col Edmund Walter
 Duncan William Wilson
 Francis Sylvester Grimston
 Capt Victor Bayley
 John Dillon Flynn
 Col Shafto Longfield Craster
 Sidney Robert Hignell
 Henry Phillips Tolinton
 Sir James MacKenna
 Edward Lister
 Lt Col David Waters Sutherland
 Sir James Crerar
 Col Henry Robert Crosthwaite
 Hony Lieut Hilary Lushington Homan Hunt
 Gerald Avlmer Levett-Yeats
 Rai Bahadur Sir Hari Ram Goenka
 Dewan Bahadur Pandit Krishna Rao Luxman
 Paonaskar
 Dewan Bahadur Sir Krishnarajapuram Palle
 gondai Puttanna Chetty
 Lt-Col John Anderson
 Sir Robert Glover Jaquet
 Colonel Ralph Ellis Carr Hall
 Lt-Col (Alexander Hiero) Ogilvy Spence
 Lt-Col Ernest Arthur Frederick Redl
 Harry Seymour Hoyle Pilkington
 Lt-Colonel David Lockhart Robertson Lorimer
 Lieut.-Col Harold Hay Thorburn
 The Hon'ble Major Nawab Muhammad Akbar
 Khan
 Hony Capt Muhi'ud din Khan, Sardar Bahadur
 Hony Capt Sardar Natha Singh, Sardar Bahadur
 Sardar Pooran Singh Sardar Bahadur Maj-Gen
 Girdhar Singh, Sardar Bahadur Lt-Col
 Haider Ali Khan, Sardar Bahadur Lt-Col
 Philip James Griffiths Pupon
 Tempy Capt Cecil Sutherland Waite
 Air Commodore David Munro
 Reverend William Robert Park
 Brevet-Col Francis William Pirrie

Capt Hubert McKenzie Salmond
 Lt Col Felix Oswald Newton Mell
 Hony Lt-Col Seaborna Guthrie Arthur May Moens
 Col Bhola Nauth
 Major Harold Richard Patrick Dickson
 Major (Tempy Brig-General) Henry Owen Knox
 Charles Rowlatt Watkins
 Joseph Turbert Owens
 Harry St John Bridger Philby
 Lieut-Col Lewis Cecil Wagstaff
 Lieut-Col Cyril Penrose Paige
 Sao Kawn Kiao Intaleng Sawbwa of Kengtung
 The Hon'ble Mr Arthur Herbert Ley
 Sir Peter Henry Glutterbuck
 The Hon'ble Sir James Donald
 William Woodward Hornell
 Lt-Col Bawa Jiwan Singh
 Arthur William Botham
 Col Henry Francis Cleveland
 Lt Col William Byam Lane
 Harry Nelson Heseltine
 Alexander Langley
 Lt-Col Henry Smith
 Col Francis William Hallowes
 Major Henry Coddington Brown
 Robert Colquhoun Boyle
 Rai Bahadur Pandit Sir Gopinath
 Thala Sri Mansinghji Suraj Singhji
 Sir Kedur Nath Das
 Lt-Col Roger Lloyd Kennion
 Lt-Col Hugh Augustus Keppel Gough
 Lieut-Col Edward William Charles Noel
 Lieut-Col J R Darley
 Brev-Colonel C M Goodbody
 Lieut Col J G Goodenough Swaa
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 Lt Col John Izat
 Lieut Col William David Henderson Stevenson
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 Major John Gordon Patrick Cameron
 James Laird Kinloch
 Alfred James Hughes
 Sir Claude Fraser de la Fosse
 Henry Raikes Alexander Irwin
 William Frederick Holms
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 Thomas Emerson
 Jvotsnanath Ghosal
 Colonel Sir George Henry Willis
 Lieut Col Ernest Alan Robert Newman
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 John Desmond
 Sir John Ernest Jackson
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 Kumar Unkar Singh
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 Brig-General Robert George Strange
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 Brig-General Cyril Frank Templer
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 Lieut Col F A I Barnardo, I M S
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 Lieut-Colonel Davis Heron
 Col Edmund Tillotson Rih
 Roderick Kornell Biernacki
 Hony Brigadier General Robert Fox Sorsbie

Brig-General A. B Hawley Drew
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 Colonel Harry John Mahon
 Col F W Bagshawe
 Col F E Geoghegan
 Major Harold Whiteman Woodall
 Lieut-Col Herbert Grenville LeMesurier
 Col Rollo St John Gillespie
 Col Walter Fellowes Cowan Gilchrist
 Lieut-Col the Lord Belhaven and Stenton
 Lieut Col George McPherson
 Lieut Col Norman Emil Henry Scott, I M S
 Lieut-Col W R J Scroggie, I M S
 Lieut-Col Arthur Mowbray Berkeley
 Lieut-Col Guy Sutton Bocquet
 Lieut-Col Cuthbert Vivian Bliss
 Colin Campbell Garbett
 Lieut Col Wyndham Madden Pierpoint Wool
 John Brown Sydney Thubron
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 Christian Tindall
 Arthur Innes Mayhew
 Austin Low
 Lieut-Col Andrew Alexander Irvine
 Hubert Digby Watson
 Lieut-Col John Telfer Calvert
 Charles Gilbert Rogers
 Sir Bernard D'Olier Daney
 Thomas Reed Davy Bell
 Walter Francis Perree
 Bertram Beresford Osmaston
 Lieut-Col John Hanna Murray
 The Rev Dr William Skinner
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 Col Comdt Richard Stukeley St John
 Brevet-Lieut Col S S W Paddon
 Lieut-Col Walter Mason
 William Alfred Rae Wood
 John Carlos Kennedy Peterson
 Lieut-Col Andrew Louis Charles McCormick
 Lieut-Col J C Lamont
 Capt Charles James Cope Kendall
 Muhammad Afzal Khan Lieut-Col.
 Sir Ernest Albert Seymour Bell
 Col Francis Richard Soutter Gervers
 Albert Harlow Silver
 Khan Bahadur Nawab Maula Baksh
 Sardar Lakhamgouda Basava Prabhu Sir Desai
 Col W W Clemesha, I M S
 Col Napier George Barras Goodriellow
 Col P Francis Chapman
 Lieut-Col H J Crosslev
 Lieut-Col (temporary Col) W A Gordon
 Lieut-Col J D Graham
 Col E C Alexander
 Lieut-Col W H Hamilton
 Lieut-Col C A Sprawson
 Lieut Col H C Prescott
 Commander J C Ward
 Temporary Major C F Macpherson
 Captain F C C Balfour
 P L Bowers
 Sir H A Sams
 H F Forbes
 Col C L Peart
 Hony Brigadier General H De C O Grady
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- Major G B Murray
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 R D Bell
 Rai Bahadur Rala Ram
 Lieut-Col H O Beadon
 Lt-Col H O Barnes
 H Clayton
 F A M H Vincent
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 *M J Cogswell
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 H H Haines
 R S Hole
 Cursetji Nowroji Wadia
 E Teichman
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 P P J Wodehouse
 Captain E I M Barrett
 Col P L O'Neill
 Lieut-Col G. G Jolly
 Major A P Manning
 Sir Henry Tyler
 Col H W R Senior
 Lieut-Col R H Maddox
 Col H W Bowen
 Col J B Keogh
 Col E A Porch
 Col A B Fry
 Col A V W Hope
 Lieut-Col L E Gilbert
 Col W D A Keys
 Lieut-Col W M Anderson
 Lieut-Col H Murray.
 Lieut Col C de L Christopher
 Major F M Carpendale
 Major A H Chenevix Trench
 Temporary Major L F Nalder
 Captain C G Lloyd
 Temporary Captain R Marrs
 G Evans
 S H Slater
 Agha Mirza Muhammad
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 Col J H Howell Jones
 Col W E Wilson-Johnston
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 W R Dockrill
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 Capt C R Wason
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 W H J Wilkinson—Gullebard
 Lieut Col J B Jameson
 Lieut General A G Wauchope
 Col G F White
 Hon Major R W Hildyard-Marris
 Hon Lieut Mehr Mohammad Khan Sirdar
 Bahadur
 Col R M Betham
 Col E R P Boileau
 Col W L J Carey
 J A Cherry
 Col H R Cook
 Col G M Duff
 Lieut-Col E G Hall
 Lieut Col D R Hewitt
 Lieut-Col L Hirsch
 Col C Hodgkinson
 Lieut-Col G Howson
 Lieut-Col K M Kirkhope
 Lieut-Col F C Lane
 Lt-Col J H Lawrence-Archer
 Lieut Col C N Moberly
 Col H C Nanton
 E P Newnham
 Lieut Col S J Rennie
 Lieut-Col T R Reynolds
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 Lieut-Col J W Watson
 Major Gen N G Woodyatt
 Lieut-Col H N Young
 Lieut Col E L Mackenzie
 Lieut-Col C N Watney
 Ressalder Hony Capt Khan Sahi. Sirdar
 Bahadur Habibur Rahman Khan
 Charles Fairlie Dobbs
 Lieut Col George Stuart Douglas
 Charles Edward Edward-Guthrie
 Major Genl Hugh Edward Herden
 Major Harold Berridge
 Major-Genl M R W Nightingale
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 Singh Majithia
 Sir H Moncrieff Smith
 Sir F St J Gebbie
 Khan Bahadur Pir Baksh Walad Miran
 Muhammad
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 F W Woods
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 R S Troup
 Lieut.-Col J A Stevens
 A Brebner
 V Dawson
 Sir G Anderson
 Cpl Rao Bahadur Thakur Sadul Singh
 Saiyid Nur-ul-Huda
 Col John Anderson Dealy
 Major General Sir Harry Christopher Tytler
 Major General A L Tarver
 Major General Sir Cyril Norman Macmullen
 Col Harry Beauchamp Douglas Baird
 Col Cecil Norris Baker
 Col Harry Dixon Packer
 Temporary Lieut-Col John Francis Haswell
 Col Henry Charles Swinburne Ward
 Lieut-Col Duncan Ogilvie
 Sir James Scott Pitkeathly
 Lt-Col Charles Edward Bruce
 Lieut Col Alexander Frederick Babonau
 2nd-Lieut Arthur Vernon Hawkins
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 Sorabji Bezonji Mehta
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 John Richard Cunningham
 Stephen Cox
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 Major-General Benjamin Hobbs Deane
 Captain Lewis Macclesfield Heath
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 Basil John Gould
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 Edward Arthur Henry Blunt

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 Alexander Carmichael Stewart
 Adrian James Robert Hope
 John Willoughby Meares
 Major Kenneth Oswald Goldie
 Edward Francis Thomas
 Edward Luttrell Moysey
 Thomas Stewart Macpherson
 Maung Po Hla
 Arthur Campbell Armstrong
 Horace Williamson
 Alexander Newmarch
 Gerard Anstruther Wathen
 Khan Bahadur Mirsharbat Khan
 Natha Singh Sardar Bahadur
 Raja Maniloli Singh Roy
 Khan Bahadur Dr Sir Nasarvanji Hormasji
 Choksey
 Alexander Marr
 Lawrence Morley Stubbs
 Colonel Robert St John Hickman
 James Macdonald Dunnett
 Lieut-Col Michael Lloyd Ferrar
 Leveat Mackenzie Kaye
 Corvton Jonathan Webster Mayne
 Walter Swan
 Cyril James Irwin
 Edwin Lessware Price
 Horace Mason Haywood
 Lieut Col the Honourable Piers Walter Legh
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 Alexander Shirley Montgomery
 Kunwar Jagdish Prasad
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 Frederick Alexander Leete
 Lieut-Col Henry Ross
 Captain Victor Felix Gamble
 Major General Alfred Hooton
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 Abdoor Rahim
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 Khan Bahadur Diwan Sir Abdul Hamid
 Rao Bahadur Thakur Hari Singh
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 J R Martin
 Lt-Col D G Mitchell
 Lt-Col Sir R H Chenevix Trench
 E G B Peel
 The Hon'ble Mr F F Sladen
 A F L Brayne
 C G Barnett
 Lt-Col A Jeventon
 Lt-Col C Hunter
 Sir Robert McCarrison
 The Hon'ble Sir H G Haig
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 Major D P Johnstone
 Khan Bahadur Mian Muhammed Hayat Khan
 Major the Rev G D Barne
 J Evershed
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F F Bion	D G Harris
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Colonel W M Coldstream	R P Hadow
C W Gwynne	Lieut.-Col Sir W D Smiles
R B Ewbank	J M Clay
Sir B L Dhingra	Lieut.-Col J A Brett
Srimant Jagdeo Rao Puar	Lieut.-Col H R Lawrence
Maulvi Sir Nizam ud-Din Ahmed	A M MacMillan
Sardar Shihbzada Sultan Ahmed Khan	Khan Bahadur Qazi Sir Azizuddin Ahmad
P G Rogers	Sir Oscar De Glanville
C W Dunn	K B Sir Behramji Hormasji Nanavati
R C Gibson	Surendra Nath Mullick
Lieut.-Col G H Russell	J R D Glascock
B J Glancy	Col S H D Nicholas
H B Clayton	H A F Lindsay
E W P Sims	Kashinath Shriram Jatar
Maung Maung Bva	Rao Bahadur Sir Vangal Thiruvankata Krishnamacharya Aiyar
Sardar Bahadur Sheo Narayana Singh	G Wiles
W T M Wright	Shihbzada Abdul Majid Khan
The Rev E M Macphail	L R Foy
Col Sir G R Hearne	B A Collins
M E W Jones	Sir R R Maconachie
Major General R Heard	P Hawkins
U Mojumdar	C M King
P E Percival	Sir H W Emerson
L O Clarke	Sir P A Kelly
K N Knox	B S Kisch
E Cornan Smith	F D Ascoli
Major G C S Black	Lieut.-Col B R Reilly
Mirza Sir Mohamed Ismail	H S Crosthwaite
J M Ewart	Lieut.-Col R H Bot
Rai Bahadur T N Sadhu	Sir Jadu Nath Sarkar
B Venkatapathiraju Garu	P Hide
F Clayton	F W Sudmersen
F Young	The Rev A L Brown
Khan Bahadur Sardar Asghar Ali	Ramaswami Srinivasa Sarma
A W Street	Sir L H Kealy
R B Thakur Mangal Singh	T R S Venkatarama Sistrigal
Sir A R L Tottenham	M Irving
Sir A A L Parsons	H O B Shoubridge
F C Turner	Col K V Kukday
J A L Swan	S W Goode
H G Billson	A H W Bentinck
Colonel C H Bensley	H L L Allanson
T G Rutherford	G S Bajpai
Lieut.-Col G D Ogilvie	W H A Webster
Lieut.-Colonel E C G Maddock	Rao Bahadur H K Raha
F Anderson	J C B Drake
G Cunningham	Lieut.-Col T W Hurley
Major C K Daly	G Clarke
Sir F C Crawford	Brevet-Col D G Sandeman
H Calvert	H J Bhambha
U Me	Sardar Mir M A Khan
Col the Revd W T Wright	Khwaja Nizam ud Din
Rai Bahadur Gyanendra Chandra Ghose	A C Woolner
Rao Bahadur Sukhamaya Chaudhuri	A L Covernton
Diwan Bahadur T Rangachariyar	P S Burrell
Sir W L Travers	H Denning
Sardar Bahadur Sardar Sir Jawahir Singh	W B Brande
Brevet-Major Sir Hissam ud-Din Bahadur	G W Hetch
Khan Bahadur Sir Shah Nawaz Khan Bhutto	C U Wills
Rao Bahadur D B Raghuraj Singh	H A Lane
Lieut.-Col R P Wilson	K H Framji
G R Thomas	Col W H Evans
H Tireman	G E Fawcus
A D Ashdown	F Armitage
T H Morony	Lieut Col A C Tancock
C W Lloyd Jones	
H A Crouch	

Brevet Lieut-Col H L Haughton
 Lieut-Col H D Marshall
 H D G Law
 R W Hanson
 H R Wilkinson
 Lieut-Col J W Cornwall
 R D Anstead
 D Milne
 W Roch
 G K Devdhar
 Chaudhari Sir Chhaju Ram
 J H R Fraser
 Lt-Col J C H Leicester
 C W C Carson
 J N Gupta
 G E Soames
 H C Liddell
 A G Edie
 J B G Smith
 D L Drake Brockman
 D M Stewart
 R Littlehailes
 J A Baker
 Lt Col R W Macdonald
 C S Whitworth
 A B Briggs
 Col L D E Lenfestey
 J E Armstrong
 R J Hirst
 F P V Gompertz
 Lieut-Col A G Tresidder
 Major A F R Lumby
 P L Orde
 Rai Bahadur Janak Singh
 Diwan Bahadur T K Mehta
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 A H Lloyd, ICS
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 His Excellency Sir Clarendon Gowan, ICS
 Colonel C C Palmer
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 Durbar Shri V M Suraj
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 J G Beazley
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 C S C Harrison
 A H Mackenzie
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Lt-Col G D Franklin
 Lt-Col (Honv Col) R R Will
 Lt-Col J Cunningham
 H A F Metcalfe
 V K A Aravamudha Ayangar
 S D Smith
 G E C Wakefield
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 J A Madan, ICS
 F W H Smith
 R S Finlow
 W L Scott
 H T Holland
 G H Stoker
 D G Lal
 Lt-Col H R N Pritchard
 Khan Bahadur Kutub-ud-Din Ahmed
 Major-General R W Anthony
 P C Tallents
 F A Hamilton
 C A Bentley
 J Coatman
 P W Marsh
 J G Acheson
 J D V Hodge
 Lt-Col A H Palin
 Major D Pott
 F J Playmen
 T A L S O'Connor
 F V Wylie
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 J McGlashan
 M Lea
 J Hormasji
 Rai Bahadur Sh Ghosh
 Diwan Bahadur G N Chetti Garu
 Lt-Col R J W Herle
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 A N L Crier
 F A Sashes
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 A J Laine
 D T Boyd
 J Clague
 Col G W Ross
 W S Jannayala V N. Garu
 T Slorn
 R G Grieve
 S Walker
 M Webb

H L Newman
 Col W V Coppinger
 B C Burt
 Lt-Col A F Hamilton
 J L Sale
 W P Roberts
 Lt-Col J. C More
 S B Teja Singh Malik
 Miran Mohammed Shah Nawaz
 R B Kesho W Brahma
 M B Sardar Hassan Khan Gurchani
 S F Madden
 Major Genl G Tate
 G Kaula
 F B P Lory
 F C Pury
 F F R Channer
 Lt-Col W J Powell
 D G Mackenzie
 R R Simpson
 G T H Bracken
 R N Reid
 F H Puckle
 B R Rau
 G R F Tottenham
 E W Perry
 Lt Col H R Dutton
 Lt Col H H McGann
 Lt-Col J J T MacKnight
 Col C H Haswell
 C W E Arbuthnot
 Khan Bahadur Shaukh Abdul Aziz
 L Mason
 Lieut Col S P Williams
 R M Statham
 M Kinnaswami
 R T Russell
 G R Dam
 J A Woodhead
 G S Hardy
 W Booth Gravely
 E Gordon
 W A Cosgrave
 G F S Collins
 A Cassells
 J A Sweeney
 Captain H Boyes
 Lt Col E E Doyle
 W L Stampe
 R E L Wingate
 Major H Wilberforce Bell
 W H Lewis
 Lt-Col J R J Tyrrell
 M L Pasricha
 H Burkitt
 T Jones
 Col H W Acton
 Col H C Manders
 in T W Rees
 F Strickland
 Col G H R Halland
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 G H Spencer
 B N De
 F C Isomonger
 Lt-Col I M Macrae
 H Bomford
 R H Williamson
 J Master
 A B Brown

F W Stewart
 H V Braham
 H R Uzicelli
 J A Dawson
 G A Shillidy
 G T H Hardinge
 Rai Bahadur P C Dutta
 A W W Mackie
 A C Badenoch
 Khan Bahadur Nawab Muzaffar Khan
 H R Pate
 A Mc Kerrol
 C A Malcolm
 Lt-Col T C Sheldermere
 J A Thorne
 A Monro
 P C Bamford
 Lt-Col F C Temple
 Lt-Col H C Garbett
 H Shankar Rau
 J A Pope
 Captain H A B Digby Beste
 H B Wetherill
 W S Fraser
 C G Chenevix-Trench
 L C Coleman
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 Amir Shakh Mahmudbhai Abdullibhai
 U Zau Pe
 A R Leishman
 Muhammad Yamin Khan
 C C Biswas
 I T Donovan
 H R Gould
 J F Hall
 S T Hollins
 C T Brett
 B C A Lawther
 A C J Bailey
 W N P Jenkin
 Satish Chandra Gupta
 Kenneth Samuel Fitze
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 Ernest Ferdinand Oppenheim, I C S
 Dugald Stuart Burn
 Ghazanfar Ali Khan, I C S
 Harold Graham, I C S
 Frank Burton Leach, I C S
 Lieut-Col Sherman Gordon Venn Ellis, D S O,
 I A
 Harold Argill Watson, I C S
 Henry Abraham Gubbay
 Alfred Ernest Mathias, I C S
 John Pierson Buckeley, I C S
 Allan Arbuthnot Lane Roberts, I C S
 John William Smyth, I C S
 Olaf Kirkpatrick Caroe
 Khan Bahadur Jamshedji Bajrang Vachha
 Satyendra Nath Roy, I C S
 Arthur Beatson Reid, I C S
 Thomas James Young Roxburgh, I C S
 Lieut-Col John Morrison, I M S
 Theodore James Tasker, I C S
 Captain William Arthur Williams
 Norman Lindsay Sheldon
 Edward Charles Stuart Baker, O B E
 Khan Bahadur Sayid Ahmad Hasan
 John Carson Nixon, I C S
 Lodhi Karim Hyder
 Gilbert Pitcairn Hogg, I C S
 Colonel Neil Charles Bannatyne

Alma Latiff, O B F, I C S
 Tom Lister, I C S
 Claude Henry Gidney
 Thomas Joseph Alexander Craig
 Robert Daniel Richmond
 Colonel Harry Malcolm Mackenzie, I M D
 Colonel Henry Robert Bynes Reed, D S O,
 M C, I A
 Edmund James Rowlandson
 Roland Graham Gordon, I C S
 John Henry Darwin, I C S
 Captain Mathew John Clarke
 Sam Carter Mould
 Gurunath Venkatesh Bowoor
 Lieut-Col Walter Edwin Beazley
 Hugh Dow, I C S
 Khan Bahadur Nabl Bak-h Muhammad
 Husain
 Khan Bahadur Shah Muhammad Yalva
 Dhanjibhai Hormusji Mehta
 Allan Macleod, I C S
 Ram Chandra, I C S
 Maj Genl William Charles Hughan Forster,
 I M S
 Sao Kine Maung, Sawbwa of Mong Mit State
 James Reid Taylor, I C S
 Charles Lvall Philip, I C S
 Captain Sher Muhammad Khan
 Edmund Nicolas Blundy, I C S
 Noel James Roughton, I C S
 Charles Gerald Trevor
 Colonel John Norman Walker
 Lieut-Col Robert Bresford Seymour Sewell
 Lieut-Col Arthur Kenry Lyle Mosse
 Lieut-Col Charles Terence Chichele Plowden
 Edgar Stuart Rossiey
 Vislan Augustus Short
 William Duncan MacGregor
 Lieut-Col David Seton Johnston
 Harold Riley Roo
 Hugh George Rawlinson
 John Gordon Cameron Scott
 The Rev William Herbert Greenland Duffield
 Rai Bahadur Pandit Scott Prasad Bajpai
 Khan Bahadur Hafiz Hidayat Husain
 Rai Bahadur Abinash Chandra Banarji
 David Keith Gunnison
 Thakor Sahab Shri Madar Sinhi Vakhatsinhji
 Lt-Col J L R Weir
 E C Gibson
 N N Anklesaria
 W B Brett
 C St Leger Teyen
 Col R H Anderson
 J H Adam
 H P Thomas
 T P M O'Callaghan
 J Davidson
 Captain L C E Crabbe
 Bt-Col J McPherson
 J de Graaff Hunter
 D H C Drake
 A G Leach
 D B Meek
 Lt Col H F E Childers
 Lt Col E J D Colvin
 R S Purssell
 Lt-Col W L Harnett
 Khan Bahadur K J Petigara
 A M Green

J N Duggan
 A I Leech
 H M Shircore
 A S Hands
 Captain T I Stevenson
 A J Raisman
 J A Stewart
 K L B Hamilton
 H J Twynam
 J Prasad
 Col G A Hare
 B N Rau
 L H Greg
 J R T Booth
 C C Chitham
 L H Colson
 R L Russell
 N Fitzmaurice
 A C Lothian
 Major G L Betham
 Rai Bahadur Diwan G Nath
 Major W P Hay
 C E S Fairweather
 Lt-Col A D Stewart
 Lt Col R N Chopra
 Major R T Lawrence
 K G Mitchell
 W D Croft
 Khan Bahadur M N Mehta
 Khan Bahadur Shaikh Wahid uddin

The Imperial Order of the Crown of India.

This Order was instituted Jan 1, 1878, and for a like purpose with the simultaneously created Order of the Indian Empire. It consists of the Queen and Queen Mother with some Royal Princesses, and the female relatives of Indian Princes or of persons who have held conspicuous offices in connection with India. Badge, the Royal Cypher in jewels within an oval surmounted by an Heraldic Crown and attached to a bow of light blue watered ribbon, edged white. Designation the letters C I

Sovereign of the Order

THE KING-EMPEROR OF INDIA

Ladies of the Order (C I)

Her Majesty The Queen
 H M the Queen of Norway
 H R H the Princess Victoria
 H M The Queen of Roumania
 H R H the Princess Beatrice
 H R H the Princess Louise (Duchess of Argyll)
 H I and R H Grand Duchess the Cyril
 Lady Patricia Ramsay
 H H the Princess Marie-Louise
 Baroness Kinloss
 Lady Jane Emma Crichton
 Dowager Countess of Lytton
 Dowager Marchioness of Dufferin and Ava
 Marchioness of Lansdowne
 Constance Mary Baroness Wenlock
 H H Maharani Sahib Chima Bai Gaekwar
 H H Rani Sahib of Gondal
 H H the Dowager Maharani of Mysore
 Lady George Hamilton

H H the Maharani Sahiba of Udaipur

Alice, Baroness Northcote

Amelia Maria, Lady White

Baroness Amphilh

Countess of Minto

Marchioness of Crowa

France Charlotte, Lady Chelmsford

The Lady Willingdon

The Lady Irwin

Countess of Lytton

Viscountess Goschen

Lady Birdwood

Lady Ali Shah

Distinctive Badges—An announcement was made at the Coronation Durbar in 1911, that a distinctive badge should be granted to present holders and future recipients of the titles of 'Diwan Bahadur', 'Sardar Bahadur', 'Khan Bahadur', 'Rai Bahadur', 'Rao Bahadur', 'Khan Sahib', 'Rai Sahib' and 'Rao Sahib'. Subsequently the following regulations in respect of these decorations were issued—(1) The decoration to be worn by the holders of the titles above mentioned shall be a badge or medallion bearing the King's effigy crowned and the name of the title, both to be executed on a plaque or shield surrounded by a five-pointed star surmounted by the Imperial Crown, the plaque or shield being of silver gilt for the titles of Diwan, Sardar, Khan, Rai and Rao Bahadur, and of silver for the titles of Khan, Rai, and Rao Sahib. (2) The badge shall be worn suspended round the neck by a ribbon of one inch and a half in width, which for the titles of Diwan and Sardar Bahadur shall be light blue with a dark blue border, for the titles of Khan, Rai and Rao Bahadur light red with a dark red border, and for the titles of Khan, Rai and Rao Sahib dark blue with light blue border.

A Press Note issued in November, 1914, states—The Government of India have recently had under consideration the question of the position in which miniatures of Indian titles should be worn, and have decided that they should be worn on the left breast fastened by a brooch, and not suspended round the neck by a ribbon as prescribed in the case of the badge itself. When the miniatures are worn in conjunction with other decorations, they should be placed immediately after the Kaiser-i Hind Medal.

Indian Distinguished Service Medal—This medal was instituted on June 28th, 1907, by an Army Order published in Simla as a reward for both commissioned and non-commissioned officers of the regular and other forces in India. It bears on the obverse the bust of King Edward VII, and on the reverse a laurel wreath encircling the words For Distinguished Service. The medal, $1\frac{1}{2}$ inches in diameter, is ordered to be worn immediately to the right of all war medals suspended by a red ribbon $1\frac{1}{2}$ in wide, with blue edges $\frac{1}{2}$ in wide. This medal may be conferred by the Viceroy of India.

Indian Order of Merit—This reward of valour was instituted by the H E I Co in 1837, to reward personal bravery without any reference to length of service or good conduct.

It is divided into three classes and is awarded to native officers and men for distinguished conduct in the field. On the advancement from one class to another the star is surrendered to the Government, and the superior class substituted, but in the event of the death of the recipient his relatives retain the decoration. The order carries with it an increase of one-third in the pay of the recipient, and in the event of his death the allowance is continued to his widow for three years. The First Class consists of a star of eight points, $1\frac{1}{2}$ in in diameter, having in the centre a ground of dark-blue enamel bearing crossed swords in gold, within a gold circle, and the inscription Reward of Valour, the whole being surmounted by two wreaths of laurel in gold. The Second Class star is of silver, with the wreaths of laurel in gold, and the Third Class entirely of silver. The decoration is suspended from a simple loop and bar from a dark-blue ribbon $1\frac{1}{2}$ in in width with red edges, bearing a gold or silver buckle according to class.

Order of British India—This order was instituted at the same time as the Order of Merit, to reward native commissioned officers for long and faithful service in the Indian Army. Since 1878, however, any person European or native, holding a commission in a native regiment, became eligible for admission to the Order without reference to creed or colour. The First Class consists of a gold eight-pointed radiated star $1\frac{1}{2}$ in in diameter. The centre is occupied by a lion statant gardant upon a ground of light-blue enamel, within a dark-blue band inscribed Order of British India, and encircled by two laurel wreaths of gold. A gold loop and ring are attached to the crown for suspension from a broad ornamental band $1\frac{1}{2}$ in in diameter, through which the ribbon, once blue, now red, is passed for suspension from the neck. The Second Class is $1\frac{1}{4}$ in in diameter with dark blue enamelled centre. There is no crown on this class, and the suspender is formed of an ornamental gold loop. The reverse is plain in both classes. The First Class carries with it the title Sardar Bahadur, and an additional allowance of two rupees a day and the Second the title of Bahadur, and an extra allowance of one rupee per day.

Indian Meritorious Service Medal—This was instituted on July 27th, 1888, and on receipt of the medal the order states "a non-commissioned officer must surrender his Long Service and Good Conduct medal" but on being promoted to a commission he may retain the M S medal, but the annuity attached to it will cease. On the obverse is the diademed bust of Queen Victoria facing left with a veil falling over the crown behind, encircled by the legend Victoria Kāsar-i-Hind. On the reverse is a wreath of lotus leaves enclosing a wreath or palm tied at the base, having a star beneath, between the two wreaths is the inscription for meritorious service. Within the palm wreath is the word India. The medal, $1\frac{1}{2}$ in in diameter, is suspended from a scroll by means of a red ribbon $1\frac{1}{2}$ in wide. The medals issued during the reigns of Queen Victoria's successors bear on the obverse their bust in profile with the legend altered to EDWARDVS or GEORGIVS.

THE KAISAR-I-HIND MEDAL.

This decoration was instituted in 1900, the preamble to the Royal Warrant—which was amended in 1901 and 1912—being as follows—"Whereas We, taking into Our Royal consideration that there do not exist adequate means whereby We can reward important and useful services rendered to Us in Our Indian Empire in the advancement of the public interests of Our said Empire, and taking also into consideration the expediency of distinguishing such services by some mark of Our Royal favour Now for the purpose of attaining an end so desirable as that of thus distinguishing such services aforesaid, We have instituted and created, and by these presents for Us, Our Heirs, and Successors, do institute and create a new Decoration." The decoration is styled "The Kaisar-i-Hind Medal for Public Service in India" and consists of two classes. The Medal is an oval-shaped Badge or Decoration—in gold for the First Class and in silver for the Second Class—with the Royal Cypher on one side and on the reverse the words "Kaisar-i-Hind for Public Service in India", it is suspended on the left breast by a dark blue ribbon.

Recipients of the 1st Class

- Abdul Qayyum, Khan Bhadur Nawab Sir
Sahibzada, K O I E, M L A
Abdus Samad Khan of Rampur
Advani, M. S
Aivar, Mrs Parvati Ammal Chandra Sekhara
Ajaigarh, Her Highness the Dowager Maharani of
Kamal Kunwar
Alexander, A L
Allen, The Revd J H
Ailyn, Dr (Miss) Jessie Matilda, M D
Aloysia, Rev Mother Mary
Amarchand, Rao Bahadur Ramnarayan
Amar Nath
Amphill, Margaret, Baroness
Anderson, I R
Anderson, The Rev H
Arbuthnot, Miss Margaret Georgina
Archer, George Barnes
Ashton, Albert Frederick
Ashton, Dr R J
Baird-Smith, J R
Balfour, Dr Ida
Bandorawalla, N M
Banks, Mrs A E
Barber, Benjamin Russell
Barber, Rev L
Bardsley, Deaconess J B
Bare, Doctor Esther Gimson, M P
Barnes, Major Ernest
Barton, Lady Evelyn Agnes
Bawden, Rev S D
Beadon, Mrs Mary O'Brien
Beals, Dr L H
Bear, Mrs Georgiana Mary
Beaty, Francis Montagu Algernon
Beck, Miss Emma Josephine
Beckett, Miss G
Bell, Lt-Col Charles Thornhill
Benson, Doctor (Miss) A M
Benson, Lady
Bentley, Dr Charles Albert
Bestall, Rev A H
Bhandari, Rai Bahadur Captain R R M
Bhore, Lady M W
Bikaneji, Maharaja of
Bingley, Major-General Sir Alfred
Birkmyre, Lady A
Bisset, Miss M R
Blanche Annie, Sister
Blowers, Commissioner Arthur Robert
Bonington, Max Carl Christian
Booth Tucker, Frederick St George de Lantour
Bose, Rai Bahadur Sir Bipin Krishna
Bott, Lieut Col R H
Brahmachari, Rai Bahadur U N
Bramley, Percy Brooke
Bray, Sir Denis DeSaumarez
Brayne, Mrs I G
Broadway, Alexander
Brown, Rev A E
Brown, Dr Miss E
Brown, Rev W F W
Bruce, Mrs B M I.
Brunton, James Forest
Buchanan, Rev John
Bunbury, Evelyn James, Bombay
Bull, Henry Martin
Barn, Sir Richard
Burnett, General Sir Charles John
Burton, Miss A I
Buttler, Lady Ann Gertrude
Caleb, Dr O C
Calnan, Denis
Campbell, Colonel Sir Robert Neil
Campbell, Dr Miss S
Campion John Montrieu
Carleton, Dr (Miss) Jessie, M D
Carleton Marcus Bradford
Carlyle, Lady
Carmichael, Lady
Carstain The Rev G
Carter, Edward Clark
Cassels, Mrs Sylvia
Castor, Lieut Col R H.
Chand, Sakhi, Rai Bahadur
Chand, Rai Bahadur Lala Tara
Chandrasekhara Ayyar, M R Ry, P S A
Chapman, R A B
Chatterton, The Rt Rev Eyre, D D
Chatterton, Sir Alfred
Chatterton, Mrs L
Chaudhuri Raja Sarat Chandra Ray
Chattiyar, M C S
Chetty, Dewan Bahadur Sir K P Puttanna
Chitnavis Sir Shankar Madho
Chitty, Mrs Audrey
Chute, Mrs
Coldstream William
Comley, Mrs Alice
Commissariat, (Miss) Sherin Hormuzshaw
Copeland Theodore Benfey
Coppel, Right Rev Bishop Francis Stephen
Corbett, Capt J E (Retd)
Cousens, Henry
Cox, Arthur Frederick

- Crawford, Francis Colomb
 Creighton, Deaconess Beatrice
 Crosthwaite, The Rev C A
 Crouch, H N
 Cullen, Mrs D J
 Dine, Lady
 Darbyshire, Miss Ruth
 Das, Ram Saran
 Das, Sri Gadadhar Ramanuj
 Das, Rai Bahadur Lala Mathra (with gold bar)
 Davies, Arthur
 Davies, Rev Can A W
 Davis, Caleb
 Davies, Mrs Edwin
 Davis, The Rev C
 Davis, Miss Gertrude
 Davys, Mrs
 Dawson, Brevet-Colonel Charles Hutton
 Deane, Lieutenant-Colonel Herbert Edward
 Devi, Maharani Parbati
 deLotbiniere, Lieutenant Colonel Alain C Joly
 Deodhar, G K
 Desika Achariyar, D B Sir T
 Dewas (Junior Branch), Maharaja of
 Dhar, Her Highness the Rani Sahiba Luxmiba
 Puar of
 Dhingra, Dr Behari Lal
 Dobson, Mrs Margaret
 Dodson, Miss D I
 Douglas, Dr E
 Drysdale, Rev J A
 DuBern, Amedee George
 DuBern, Jules Emile
 Dyson, Colonel Thomas Edwards
 Earle Sir Archdale
 Edgley, N G A
 Ernest, Dr A L
 Evans, The Rev J C
 Falkner, Miss C
 Fargetson, Father A
 Farrer, Miss E M
 Fatima Siddika, Begum Saheba
 Fernard, Mrs Ida Margaret
 Fosbrooke, Mrs M E A
 Frances, Sister Dorothy
 Francis, Edward Bitcham
 Franklin, Miss H M
 Frimodt-Moller, C F
 Gedge, Miss E
 Ghosal, Mr Jyotsnranath
 Gilmore, The Rev David Chandle
 Glazebrook, N S
 Glenn, Henry James Heamey
 Goheen, Mr R H K
 Gonzaga, Rev Mother
 Gordon, The Rev D R
 Goschen, Viscountess
 Gould, Miss Hilda
 Graham, Miss A S
 Graham The Rev John Anderson
 Grattan Colonel Henry William
 Greenfield, Miss C R
 Gregory, Brother
 Griffin, Miss E
 Guilford The Rev E (with gold bar)
 Guyer, H C
 Gwyther, Lieut Colonel Arthur
 Hahn, The Rev Ferdinand
 Haig, Lieutenant-Colonel Patrick Balfour
 Hall, Harold Fielding Patrick
 Hamilton, Lieut Col Robert Edward
 Archibald
 Hankin, C H
 Hanson, The Rev O
 Harper, Dr R
 Hart, Dr Louisa Helena
 Harvst, Lieut -Colonel Herbert de Vere
 Harvey Miss R
 Hatch, Miss Sarah Isabel
 Houghton, S G S
 Hawker, Miss A M
 Heald, Lady Edith
 Henderson, Mr A H
 Henrietta, Mother
 Hey, Miss D C deLa
 Hibberd, Miss J F
 Hickinbotham, The Rev J H
 Higginbotham, S
 Hildesley, The Rev Alfred Herbert
 Hodgson, Edward Marsden
 Hodgson, (Miss) I A
 Hoeck, Rev Father L V
 Hogan W J Alexander
 Holderness, Sir Thomas William
 Holland, H T (also bar)
 Holmes, Major J A H
 Home Walter
 Hope, Mrs L M
 Hopkins Mrs Jessie
 Hormuji, Dr S C
 Houlton, Dr (Miss) Charlotte, M D
 Howard, Mrs Gabrielle Louise Caroline
 Hoyland, John Somerwell
 Hudson, Sister L E M
 Hume, The Rev R A
 Hunan, Mr W
 Husband, Lieut -Col James
 Hutchinson, Lieut -Col William Gordon
 Hutchinson Sir Sydney Hutton Cooper
 Hutchison, J
 Hutwa The Maharani Jnan Manjari Kurni
 Hydari Mrs Amina
 Inglis, Mrs Ellen
 Innes, Lady Agatha Rosalie
 Irvine, Lieutenant-Colonel Thomas Wac
 Ives, Harry William Maclean
 Iyer, Diwan Bahadur C S
 Jackson, Lady Julia Honoria
 Jackson, Lady Kathleen Anna Dorothy
 Jackson, Rev James Chadwick
 James, Lieutenant-Colonel Charles Henry
 Jamiet Rai, Diwan Bahadur
 Jankibai
 Janvier, Rev C A R
 Jassawala, J S
 Jehangir, Mrs Cowasji
 Jehangir (Senior), Lady Dhanbai Cowasji
 Jerwood, Miss H D
 Josephine, Sister (Bombay)
 Kamibai, Shri Rani Saheba, of Jasdai
 Kaye, G R
 Keane, Miss H
 Kennedy, The Right Rev K W S
 Kerr Mrs Isabel
 Kerr, Rev George McGlashan
 Keyes, Lady L B
 Khan, Khan Bahadur Kuli
 Khan, Khan Bahadur Moghal Buz
 King, Mrs D
 Klopsch, Dr Louis

- Kothari, Sir Jehangir Hormusji
 Kugelberg, Dr C F
 Kunwar, Maharam Surat
 Lamb, The Hon'ble Sir Richard Amphlett
 Lant, The Rev W E
 Lee, Mrs
 Lee Ah Yam
 Lewis, The Rev L H
 Lindsay, Sir D'Arcy
 Ling, Miss Catharine Frances
 Longmire, Miss Mary
 Loubiere, Rev Father D F A
 Lovett, The Hon'ble Mr Harrington Verney
 Lowe, Miss Irene Helen
 Luck, Wilfred Henry
 Lukas, Lady
 Lyall, Frank Frederick
 Lyons, Surgeon-General Robert William Steele
 MacLean, Rev J H
 Macnaghten, Mr F M
 Macwatt, Major-General Sir Charles
 Madhav Rao Vishwanath Patankar
 Mahant, Puran Nath
 Malegion, Raja of
 Malvi, Tribhuvandas Narottamdas
 Maneckchand, Seth Motilal
 Mann, Dr Harold
 Manners-Smith, Mr Francis St George
 Mary of St Pauls, Rev, Mother
 Matthews, Rev Father
 Mayes, Herbert Frederick
 McCarrison, Major Robert
 McCloghry, Colonel James
 McFayden, The Rev Joseph Ferguson, D D,
 Nagpur
 McDougall, Miss E
 McKenzie, Mrs A F
 McKenzie, The Rev J R
 McNeel, The Rev John
 McReddie, Miss J A
 Mehta, Dr D H
 Mehta, Mrs Iravati
 Meiklejohn, Miss W J
 Meston, Rev W
 Millard, Walter Samuel
 Minto, Dowager, Countess of, C I
 Moolgaokar, Dr S R
 Monahan, Mrs Ida
 Monahan, Mrs Olive
 Morrison, F E
 Morgan, George
 Mohamed Ayooob alias U Shwe Yun
 Muazzifi Hussain Muhammad Farokh, Mr
 Mudhar, S C
 Muir, Rev E (also bar)
 Muir Mackenzie, Lady Theresa
 Muir, Mrs G H M
 Mulye, V Krishnarao
 Nariman, Dr Temulji Bhikaji
 Narsinghar, Her Highness the Rani Shiv Kun
 war Sahiba of
 Neve, Dr Earnest
 Nicholson, Sir Frederick Augnstur
 Nisbet, John
 Noyce, William Florey
 Oakley, Rev E S
 Oakley, F H
 O'Byrne, Gerald John Evangelist
 O'Donnell, Doctor J P
 O'Donnel, Dr Thomas Joseph
 Oh, Maung Ba (alias) Ahmedullah
 Oldham, Charles Evelyn Arbuthnot William
 O Meara, Major Eugene John
 Padfield, The Rev W H G
 Parakh, Dr N N
 Paranjpye, Dr Raghunath Parshottam
 Parukutti Netrar, Ammal, V K
 Paterson, Miss M M
 Pears, S D
 Pennell, Mrs A M
 Perfumi, The Rev L C
 Petigara, Khari Bahadur Kavasji Jamshedji
 Phelps, Edwin Ashby
 Pickford, Alfred Donald
 Piggot, Miss R
 Pitcher, Colonel Duncan George
 Pittendriigh, Rev G
 Plamouden, Rev Mother S C
 Plant, Captain William Charles Trew Gray
 Gambler
 Platt, Dr Kate
 Posnett, Rev C W
 Poynder, Lieut -Colonel John Leopold
 Prasad, Pandit Sukhdeo
 Price, John Dodds
 Purser, Reverend, W C
 Ramchandrarao Pantulu, D B
 Ramnarayan Acharyar, D B V K A
 Ramaswami Ayyar, M R Rv T S A
 Ramamurti Pantulu Garu, Rao Sahib
 Ray, Rao Jogendra Narayan, Raj Bahadur
 Reed, Miss M
 Reid, Frederick David
 Reid, R N
 Reynolds, Leonard William
 Richmond, Thomas
 Rivington, The Rev Canon C S
 Roberts, Dr H. G
 Robson, Dr Robert George
 Rost, Lt -Col Ernest Reinhold
 Row, Dr Raghavendra
 Roy, Babu Harendra Lal
 Ruddle, Mrs M I
 Sackett, The Revd F C
 Samthar Maharaja of
 Sangli, Her Highness Rani Sahib of
 Sanjiva Rao, Mrs Padma Bai
 Sarabhai Ambalal
 Sawday, Rev G W
 Schofield, Miss M T
 Schucren, Rev Father T T Vander
 Schuyler, Mrs Elsie Harris
 Scott, Doctor A
 Scott, Mary H Harriot
 Scott, Rev Dr H R
 Scott, Rev W
 Scudder, Rev Dr Lewis Rousseau
 Scudder, Miss Ida
 Sell, The Rev Canon Edward
 Sellos, Rev Father Auguste
 Semple, Lieut -Colonel Sir David
 Seshagiri Rao Pantulu, D B D
 Sharp, Sir Henry
 Sharpe, Rev E D
 Sharpe, Walter Samuel
 Sheard, E
 Sheppard, Mrs Adeline B
 Sheppard, William Didsbury
 Sherratt, The Rev W
 Shillidy, The Rev John

Shore, Lieut -Colonel Robert
 Shoubridge, Lieut Col C A G
 Shroff, S P
 Singh, Munshi Ajit
 Singh, Raja Bhagwan Bakhsh
 Simpson, Miss Jessie Phandora
 Skinner, The Rev Dr William
 Skreksrud The Rev Larsorsen
 Smith, Miss A C
 Smith, Lieut -Colonel Henry
 Smith, S
 Solomon, Captain W E
 Sorabji, Miss Cornelia (also bar)
 Southon, Major Charles
 Souza, Dr A
 Spence, Christina Philippa Agnes
 Spicer, Miss
 Stait, Dr Mrs
 St Lucie Reverend Mother
 Stampe, William Leonard
 Stranes, Sir Robert
 Starr, Mrs L A (with bar)
 Stephens, The Rev E C
 Stephenson, Lady Mary Daphne
 Stokes, Dr William
 Stratford, Miss L M
 Strutton, H H
 Suhrawardy, Dr Haseen
 Sutherland, Rev W S
 Sykes, Lady I
 Symons, Mrs M L
 Talati, Ldaji Dorabji
 Taylor, The Rev George Pritchard
 Taylor Dr Herbert F Lechmere
 Tha, U Shwe
 Thakral, Lalji Mun' Chund
 Thomas, The Rev
 Thompson, Miss E
 Thurston, Edgar
 Tilly, Harry Lindsay
 Tindall Christian
 Todd, Mrs B G
 Todhunter, Lady Alice
 Tonkinson, Mrs L
 Tucker, Lieut -Col William Hancock
 Tweddle, Miss B M
 Tydeman, E
 Tyndale-Biscoe, The Rev Cecil Earle (with gold bar)
 Tyrrell Lieut -Col Jasper Robert Joly
 Vul, Mr C E
 Vandyke, Frederick Reginald
 Vaughan Lieut Colonel Joseph Charles Staelke
 Venkataratnam Nayudu, D B, Sir Raghupati
 Vernon, Mrs Margaret
 Victoria Sister Mary
 Wake, Lt Col E A (also bar)
 Wakefield, George Edward Campbell
 Walker, Lady Fanny
 Walter, Major Albert Elijah
 Wanless, Mr W J
 Ward, Lieut Col Ellacott Leamon
 Waterhouse, Miss Agnes May
 Watt, Rev J
 Weak, The Revd H H
 Webb, Miss M V
 Weir, Mrs Thyras
 Wescoott, The Rev Dr Foss
 Whipham, Miss F
 Whitehead, Mrs J
 Whitley, The Venerable Archdeacon, E H

Whitley, Rt Hon John Henry
 Wilkinson, Lieut -Colonel Edmund
 Willingdon, The Lady
 Wilson Johnston, Joseph
 Wilson, Lady
 Winter, Edgar Francis Latimer
 Wood, Arthur Robert
 Woodward, Miss A
 Younghusband, Arthur Delaval
 Younghusband, Lieut -Col Sir Francis Edward

Recipients of the 2nd Class

Abdul Aziz, Khan Bahadur Haji Hakim Muham
 mad
 Abdul Ghani
 Abdul Kadir
 Abdul Majid Khan
 Abdur Razzak Khan, Subadar
 Abram Miss M L
 Abul Husain
 Achariyyar, C R V
 Acha Mohamed Khalil Bin Mohamed Karim
 Albuquerque Miss M C
 Alexander, Miss J
 Alexander, Mrs S
 Alfred, Miss A
 Ajudhia Parshad, Rai Bahadur
 Ali Shrabash Khan Sahib Shaikh
 Allen, Miss Iannio
 Allen, Mrs M O
 Allen, Miss Maud
 Amar Nath, Lala
 Amar Singh
 Amelia, Rev Mother
 Anestesia Sister
 Anderson, Miss Emma Deane
 Anstie-Smith, Rev G
 Antia, Jamshedji Merwanji
 Antir, J D
 Appaswami, Mrs S E
 Arndt, Mrs Phyllis Evelyn
 Askwith, The Revd P V
 Atkinson, John William
 Atkinson, Lady Constance
 Atkinson, Mrs Ada
 Augusta, Sister Terne
 Augustin, The Rev Father
 Aung, Mrs Hla
 Avargal, M R R T K M
 Avargal, M R R Tinjore Lakshmaran Pillai
 Aziz Husain, Khan Sahib Mir
 Ba, San
 Baird, San Ba Miss F L
 Baker, Miss J A
 Baker, Honorary Major Thomas
 Bacon, Miss Edna Gertrude, Barcilla
 Balakrishna Shetty, M R R A
 Balbhadra Dass Mirhoulra
 Ball, Miss Marguerite Dorothy
 Ballantine, W J H
 Banerjee, Abinash Chandra
 Bapat, Risaldar Sadashiva Krishna
 Barbara, Mother
 Barclay, Mrs Edith Martha
 Bardsley, Miss Jane Blissett
 Barkali Ali, Maulvi
 Barnabas, Thomas Cunningham
 Barnes, Mrs A M
 Barnett, Miss Maude
 Barstow, Mrs Melaine
 Barton, Miss E G
 Barton, Mrs Sybil

- Raw, U S'n
 Razzley, Miss M
 Beadon, Dr M O'Brien
 Reatson-Bell, The Rev. Sir Nicholas Dodd,
 KCSI, KCIE
 Beddy, Miss L
 Beg, Mirza Kaleh Beg Faridun
 Benjamin Joseph
 Bennett, The Rev J G
 Berry, Miss H M
 Bertie, Albert Clifford
 Best, James Theodore
 Bhagwandas, Bai Zaoorbai
 Bhajan Lal
 Bhan, Lala Udhai
 Bhanot, Mrs L
 Bhatia, Bihirilal
 Bhatt, Mrs Jinkai Bai
 Bhude, Raoji Janardhan
 Bhutt, Chhotelal Goverdhan
 Bidikar, Shankar Vithal
 Bigge, Mrs Violet Evelyn
 Bihari Lal
 Birj Behari Lal
 Bird, Mrs D M
 Birla, Rai Bahadur Baldeo Das
 Birrey, Mrs S D
 Bisheshwar Nath, Lala
 Biswas, Babu Annoda Mohan
 Biswas, Miss S
 Blackham, Colonel Robert James
 Blackmore, Hugh
 Blackwood, John Ross
 Blair, Mrs S M
 Blair, The Rev J C
 Blenkinsop, Edward Robert Kaye
 Bolster, Miss Anna
 Booth, Miss Mary Warburton
 Booth-Gravelly, Mrs Arthi
 Bose, Miss Kiroth (also bar)
 Bose, Miss Mona (also bar)
 Bose, Mrs Shamolota
 Botting, W E
 Bowen, Griffith
 Brahmachari B B
 Brahuspathy, Dr R
 Brander, Mrs Isabel
 Bray, Lady
 Bremner, Lt Col Arthur Grant
 Brentnall, Miss Nina Tillotson
 Brock, Miss Lillian Winifred
 Prough, The Rev Anthony Watson
 Browne, Charles Edward
 Brown, Mrs Jean
 Buck, Mr H C
 Buckland, Mrs K L
 Buckley, The Revd A W
 Buckley, Miss Margaret Elizabeth (also bar)
 Bucknall, Mrs Mary
 Buell, T
 Bunter, J P
 Burrows, Mrs Olive
 Burt, Bryce Chudleigh
 Burton, Miss
 Burton, Mrs D
 Butt, Miss L
 Cain, Mrs Sarah (also bar)
 Caleb, Mrs M
 Callaghan, H W
 Cama, Dr Miss Freany
 Cama, Miss T J H
 Campbell, Miss Gertrude Jane
 Campbell, Miss Kate
 Campbell, Miss Susan
 Campbell, Miss Mary Jane
 Campbell, The Rev Thomas Vincent
 Carmichael, Miss Amy Wilson
 Carey, Miss B B
 Carr, Miss Emma
 Carr, Thomas
 Case, The Revd B C
 Cishmore, The Revd T H
 Cassels, Mrs Laura Mary Elizabeth
 Catherine, Sister
 Cattell, Major Gilbert Landale
 Cecilia, Sister Fannie
 Chakrabarti, H K
 Chakravarti, Rai Bahadur Birendra Nath
 Chakravarti, Mr G K
 Chalmers, T
 Chamberlain, The Rev William Isaac
 Chandler, The Rev John Scudder
 Chatterji, Anadi Nath
 Chatterjee, Mrs Omia Bala
 Chetty, Mrs A A
 Chirag Din, Seth
 Chitale, Ganesh Krishna
 Chogmal, Karnidhan
 Clancey, John Charles
 Clark, Herbert George
 Clark, Miss M
 Clarke, Miss Flora
 Claypole, Miss Henrietta
 Clerke, Honorary Major Louis Arthur Henry
 Cleur, A F
 Clutterbuck, Peter Henry
 Coelho, V A
 Colyer, Mrs
 Connor, W A
 Coombs, George Oswald
 Coombes, Josiah Waters
 Cooper, Miss Marjorie Olive
 Cope, Rev Joseph Herbert
 Correa, Miss Marie
 Corthorn, Dr Alice
 Cottle, Mrs Adela (also bar)
 Coutts, J E
 Cox, Mrs E
 Coxon, Stanley William
 Crozier, Dr J
 Cumming, James William Nicol (also bar)
 Cummings, The Rev John Ernest
 Cutting, Rev William
 DaCosta, Miss Zilla Edith
 Dadabhoy, Lady Jerbanoo
 DaGama, Accacio
 D'Albuquerque, Cajetaninho Francis
 Dalrymple-Hay, Charles Vernon
 Daniel, J
 Daniels, Miss
 Dann, Rev George James
 Das, Niranjan
 Das, Ram Lala
 Das, The Rev Andrew Prabhu
 Dass, Malik Narain
 Dastoor, P S
 Datta, Dr Dina Nath Pritha
 Davare, Miss Anandibai
 Davidson, Captain D J
 Davies, Miss Harriet
 Davis, Miss B E
 Davis, Miss M K.

Dawson, Alexander Thomas
 Dawson, Mrs Charles Hutton
 Deane, George Archibald
 DeLa Croix, Sister Paul
 De Penning, Capt H F
 Derasari, D P
 Desmond, J
 Devi, Bibi Kashmiri
 Dew, Lady
 DeWachter, Father Francis Xavier (also bar)
 Dewes, Lieut -Colonel Frederick Joseph
 Dexter, T
 Dharampat Rai, Rai Sahib
 Dharin Chand Lala
 Dickenson, Miss Ida
 Dilshad Begum
 Dip Singh, Thakur
 Dockrell, Major Morgan
 Doren, Miss A B V
 Drake, Miss Joan
 Drummond, Rev C C
 Drvsdale, Mrs Christiana Mary
 Dube, Bhagwati Charan
 Dun, Miss L E
 Dunk, Mrs M R
 Durjan Singh, Rao Bahadur
 Dutta, Mehtu Harnam
 Dwane, Mrs Mary
 Eaglesome, George
 Eastley, Mrs Isme
 Edgell, Lieut -Colonel Edward Arnold
 Edie, Mrs M L
 Edward, R
 Edwards, Miss C M
 Elliot, Mrs I B
 Elwes, Mrs A
 Emily, Sister Edith
 Ennis, Miss E J
 Esch, Dr C D
 Evans, The Rev John Ceredig
 Evans, Miss L
 Farelugh, Miss Lihan
 Fane, Lady Kathleen Emily
 Farhat Bano
 Faridoonji, Mrs Hilla
 Farnoe, Mrs K
 Faul, Sister L
 Fawcett, Mrs Gertrude Marv
 Fazal Elahi, Mrs R S
 Feegrade, L S
 Fernandez, A P
 Fernandes, L P
 French, Lieut -Colonel Thomas
 Fielding, Miss H M
 Firth, Mrs G E M
 Fisk, Miss N B
 Fitzgerald, Mr E H
 Flanders, Mrs H
 Flashman Thomas Charles
 Fleming, Sister Mary
 Flint, Dr E
 Fogheni, Rev J P
 Ford, Miss Mary Angela
 Forman, The Rev Henry
 Forrester, G
 Foster, Captain P
 Foulkes, R
 Fox, Alfred Charles
 Frances, Sister Jane (also bar)
 Francis, W
 Franklin, Miss M H

Fraser Robert Thomson
 Frohlich, Mr J L
 Fryson, Hugh
 Gairola, Rai Bahadur Pandit Tara Dutt
 Gajjar, Mrs Shivagauri
 Gabriel, Ephraim Manassch
 Gandhi, Mr Pestonji Jamselji
 Garbett, Mrs J
 Garthwaite, Liston
 Gass, Rev J
 Gaskell, W
 Gateley Thomas Joseph
 George, Miss Jessie Eleanor
 Ghose, Babu Mahatap Chandra
 Ghose, Babu J N
 Ghose, S K
 Ghulam Bari, Mrs
 Ghulam Haidar
 Ghulam Murtaza Bhutto, Shah Nawaz
 Giffard, Mrs Alice
 Gillespie, Harry Rupert Sylvester
 Gilmorr, R J
 Glanville, Miss R I (also bar)
 Godfrey, Thomas Leonard
 Goldsmith, The Rev Canon Malcolm George
 Goodbody, Mrs
 Gopalaswami Mudaliyar, Diwan Bahadur, Mal
 apur, Bellary
 Gordon, Miss L A
 Gorman, Patrick James
 Gowardhandas, Chatrabhuji
 Govind Lal, Lala
 Grant, Lieut Colonel John Weymes
 Grant, Miss Jean
 Grant, The Rev John
 Grant, Dr Lillian Wemyes (also bar)
 Gray, Mrs Hester
 Gray, Commissary William David
 Greany, Peter Mawe
 Greenwood, Mr A L
 Greenwood, D A
 Grigg, L H
 Griessen, Albert Edward Pierre
 Gulliford, The Rev Henry
 Gumbley, Mr Douglas
 Gune Trimbak Raghunath
 Gyi, U Maung
 Harf, Rev E A
 Hadji, Dr D A
 Hadow, Rev Frank Burness
 Halyati Malik
 Hanrahan, W G
 Harding, Miss G
 Harper, The Rev A E
 Harris, Miss A M
 Harris, A R
 Harris, Dr B
 Harris, Miss S
 Harrison, Mrs M F
 Harrison, Robert Tullis
 Hartley, Mrs P
 Harvey, Miss Minnie Elizabeth
 Harvey, The Rev A J
 Haworth Lieut-Col Sir Lionel Berkeley Holt
 Hayes, Miss Mary Lavinia
 Hayes, Captain P
 Hayness, A G
 Hedinger, Charles George
 Henry, Sister E
 Hickman, Mrs Agnes
 Hicks, Rev G E

Higginbottom, Mrs E C
 Higgins, Andrew Frank
 Hill, Elliott
 Hodge, Rev J Z
 Hoff Sister W J K
 Hoffman, The Rev Father John S
 Hogg, Miss J
 Hogg, Harry William
 Hogg, Miss B K
 Holbrooke, Major Bernard Frederick Rope
 Holden, Major Hyla Napier
 Holdforth, Miss E J
 Holliday, Miss Ellen Mabel (bar)
 Hollingberry, Mrs P
 Hollway, Miss E B
 Holman, Miss Charlotte
 Holmes, R
 Homer, Charles John
 Hoogewerf, Edmund
 Hope, Dr, Charles Henry Stanish
 Hopkyns, Mrs E
 Hoshings, Rutherford Vincent Theodore
 Htin Kyaw, Mung
 Hughes, Frank John
 Hughes, Miss Elizabeth Bell
 Hunt, Major E H
 Hunter, Honorary Captain James
 Husain, Saïid M
 Hutchings, Miss Emily
 Ibrahim, Maulvi Muhammad
 Ihsan Ali
 Inglis, Mrs Ellen
 Ireland, The Rev. W F
 Irvine, B A
 Iver, Subharayappa Rama
 Jackson, Mrs Emma
 Jackson, Mrs K
 Jayjee Bai (Mrs Pettit)
 James, Mrs Rewati
 Jamma Prasad
 Jervis, Mrs Edith
 Jesson, Miss Marjorie Wilhelmina,
 Jivanandan
 Joglekar, Rao Bahadur Ganesb Venkatesh
 John, Rev Brother
 Johnston Augustus Frederick
 Johnstone, Mrs Edith Alma
 Johnstone, Mrs Rosalie
 Jones, Mrs V R B
 Jones, Rev D E
 Jones, The Rev John Peter
 Jones, The Rev Robert
 Jones, The Rev John Pengwern
 Jones, Mrs. A V
 Joshee, D L
 Joshi, Rai Bahadur K D
 Joshi, Natayan Malhar
 Joshi, Trimbak Waman
 Joti Prasad, Lala
 Joti Ram
 Joyce, Mrs E L
 Judd C R
 Jugaldas, M
 Jung, Sher, Khan Bahadur
 Jwala Prasad, Mrs
 Kaji Hirulal Lallubhai
 Kalubava, Azam Kesarkahn
 Kanoo, Yasuf
 Kanga, Mrs
 Kapadia, M K
 Kapadia, Miss Motilal

Karanjia, Mr B N
 Karve, Dhondo Keshav
 Kelavkar Miss Krishnabai
 Kelly, Claude Cyril
 Kelly, Miss Eleanor Sarah
 Kemp, V N, The Rev
 Ker, Thomas
 Khramliena Sailo
 Khan, Hon Lieut-Nawab Jamshed Ali
 Khan Mrs
 Khan, Mrs Gracie
 Kharshedji, Miss S N
 Khujoorina, Nadirshah Nowrojee
 Kidar Nath, Lala
 Kidar Nath
 King, Miss Elsie
 King, Rev Dr R A
 King, Robert Stewart (also bar)
 Kirloskar Lakshman Kashinath, also bar
 Kitchin, The Revd J
 Kitchin, Mrs M
 Klein, C H
 Knight, H W
 Knollys, Lieut-Col Robert Walter Edmond
 Knox, Major Robert Welland
 Kothari, S P
 Kreyer, Lieut-Colone, Frederick August
 Christian
 Krishnan, Rao Bahadur Kottaya
 Krishnaswami Ayyar, Diwan Bahadur A
 Krishnaswami Chetty, M R R C V
 Krishnaswami Chetty, Mrs C
 Kugler, Miss Anna Sarah (also bar)
 Kumaran, P L
 Kyaw, U Po
 Lajja Ram
 Lal, Miss Grace Sohan
 Lala Jai Deva
 Lamb, Dr J
 Lambourn, G E
 Lang, John
 Langhorne, Frederick James
 Lankester, Dr Arthur Colborns
 Latham, Miss T L
 Lawrence, Captain Henry Rundle
 Lawrence, Sir Henry Staveley
 Lear, A M
 Leslie Leycester Hudson
 Levi, Miss S E
 Lilawati, Miss
 Linforth, Miss I
 Little, Mr. M
 Lloyd, Miss Elizabeth
 Lloyd, Mrs E M
 Lobo, Miss Ursula Mario
 Locke, Robert Henry
 Lodi, Khan Bahadur Bakht Muhammad Din Khan
 Longhurst, Miss H G
 Lorimer, Mrs
 Lovrain, Rev J H
 Low, Sir Charles Ernest
 Luce, Miss L E
 Luce, Mrs Tu Tee
 Luck, Miss Florence Ada
 Lund, George
 Lundin, Sister M I
 MacAllister, The Rev G.
 MacArthur, Miss V E
 MacFarlane, Miss E M
 Mackay, Rev J S
 Mackenzie, Alexander McGregor

- Mackenzie, Howard
 Mackenzie, Miss Mina
 MacKenna, Lady Esther Florence
 MacKinnon, Miss Grace
 Macleod, Lieut -Colonel John Norman
 MacKellar, Dr Margaret
 MacMarquis, J
 MacNair, Mrs M
 Macknee, H C
 Macaulay, Miss Eliza Jane, Ahmedabad
 Macphail, Miss Alexandrina Matilda (also bar)
 Macphail, The Rev James Merry
 Macrae, The Rev Alexander
 Madan Mr Rustamji Hormasji
 Maddox, Lieut -Colonel Ralph Henry
 Madeleine, Sister Mary, Cuddalore
 Madelev, Mrs E M
 Mahommed Allanur Khan
 Maiden, J W
 Mankar, K S
 Manubai Bapat, Mrs
 Maracan, Esmail Kadir
 Margaret Mary, Sister
 Marker, Mrs Arabai Ardashir
 Marler, The Rev Frederick Lionel
 Marshall W J
 Mary, Mother A
 Mary of St Vincent, Sister
 Mary, Sister Eleanor
 Marzban, Phirozshah Jehangir J P
 Masani, Rustam Pestonji
 Mathias, P F
 Muung Maung
 Maung, U B
 McCarthy, Lady
 McCowen, Oliver Hill
 McDonald, Joseph James
 McElderry, Miss S L
 McGuire, Hugh William
 McIlwrick, Leslie
 McKee, Rev William John
 McKenzie, Miss Alice Learmouth
 McMaster, Dr Elizabeth, M D
 McNeil, Miss W H
 McRobbie, Miss S L
 Mead, Rev Cecil Silas
 Mederlet, Rev Father L
 Mehta, Mrs Homia, M B L
 Mehta, Khan Saheb M N
 Mehta, Vankuntra Lalubhai
 Menesse, N H
 Meyer, E
 Mill, Miss C R
 Miller Capt L G
 Minniken, Mrs V W
 Mirkar, Narayanrao Yeshwant
 Misra, Miss Sundri Singh
 Mitcheson, Miss
 Mitra, Mrs Dora
 Modi, D N
 Mody, S R
 Mohammed Mhan
 Mon, U
 Moore, Dr Albert Ernest
 Moore, Mother T
 Moore, Nursing Sister Dora Louisa Truslove
 Moore, Miss Eleanor Louisa
 Moorehouse Rev H A D
 Mordeun, T
 Morrison, Miss M H
 Motilal, Seth of Piparia
 Mott, J
 Mount, Captain Alan Henry
 Moxon, Miss Jane
 Mozumdar Jagan Nath
 Mudaliar, Rao Sahib Conjeevaram Manickam
 Mugaseth, Dr K D
 Muhammad, Khan Bahadur Shalikh K
 Mukharji Babu Jendranath
 Mukerji, Bibu Hari Mohan
 Mukerji, Rai Sahib A K
 Muller, Miss Jenny
 Murphy, Edwin Joseph
 Myra, U Po
 Myres, Miss T L
 Nag, Mrs Rao Mukhi
 Naimullah, Mohamed
 Nand Lal
 Naoum Abbo
 Napier, Alan Bertram
 Narain, Har
 Narayan Canaji Rao Rao Sahib
 Narayanjee I uljee
 Narayanaswami Chetty, D B G
 Narayan Singh, Rai Sahib
 Nariman, Khan Bahadur Manekji Kharsedji
 Nasir, Mirza
 Nasrulla Khan, Mirza
 Naylor, Miss S I
 Nayudu, Rao Sahib Gudalore Ranganayakulu
 Neill, Rev C
 Newman, Miss Elizabeth Mary
 Nicholson, Rev
 Noble, Dr W A
 Noemi, Rev Mother
 Norris, Miss Margaret
 Noves, Mrs V M E
 Oakley, Mrs Winfred Nelly Vale
 O'Brien, Lieut -Colonel Edward
 O'Connor, Brian Edward
 Ogilvie, Miss L
 O'Hara, Miss Margaret
 Old, Frank Shepherd
 Oldreive Rev F
 Orman, Honorary Captain Charles Henry
 Orr, Adolphe Ernest
 Orr, James Peter
 Orr Mrs Amy
 O Sullivan, Miss I
 Outram The Rev A
 Owen, Mr C
 Owen, Major Robert James
 Owens, Miss Bertha
 Pal, Babu Barada Sundar
 Palin Lieut -Col Randle Harry
 Parechure, Mrs Umabai
 Park, The Rev George W
 Parker, Miss Ada Emma (also bar)
 Parker, Dr (Miss) H E
 Parker, Mrs R J
 Parsons, Ronald
 Patch, Miss K
 Patel, Khan Bahadur Barjoui Dorabji, O I E
 Patel, K G
 Paterson, Miss Rachel
 Patrick, Sister
 Pearce, Miss G A
 Pearce, Miss M M
 Pearce, W R
 Pearson, E A
 Penn, The Rev W O

- Penner, Rev Peter Abraham
 Pettigara, R J
 Pettigrew, The Rev William
 Phr Htaw, Mrs Mr Mr Prue
 Phadke, V K
 Phulbus, Miss Rose Margaret (also Bar)
 Phelps, The Revd A C
 Phelps, Mrs Maude Marlon
 Philip, Mrs A J
 Pierce, Miss Ada Louise
 Piggott, Miss R
 Piggott, C W O'M
 Pillav, Chinnappa Singarayau
 Plm, Mrs Ramee
 Pinney, Major John Charles Digby
 Pinto, J L
 Pinto, Miss Preciosa
 Pitamberdas, Laxmidas
 Pittar, D A
 Plowden Lt-Col Trevor Chichele
 Pollete-Roberts, Miss Adelaide
 Pope, Mrs Judith Chevallier
 Popen, Sister Lihan Victoria
 Porter, Miss E
 Fosnett, Miss E
 Powell, John
 Prabhu, Anantrao Raghunath
 Prabhaj, Gopal Chandra
 Prince, Miss G
 Prasad, Capt Tuls, of Nepal
 Prasad, Ishwari
 Pribhdas Shevakram
 Price, The Rev Eustace Dickinson
 Prideaux, Frank Winckworth Austice
 Provost, Father F
 Pugh, Mrs E E
 Purshotmdas Thakurdas
 Quinn, Miss A M
 Rahm, Abdul, Pirzada Sayid Sardar
 Rahman, Mrs Z A
 Rahmat Bibi
 Rai Babu Ram Kinkar
 Raj Narayan, Rai Bahadur
 Rait, Miss Helen Anna Macdonald
 Rajadnya, R N
 Ram, Lala Dnyah
 Ram Lala Kanshi
 Ram, Rai Bahadur Raizada
 Ramaswami, Rao Saheb Colattur
 Ramanbhai, Mrs Vidhyagauri, M B F
 Ramgopal, Mallani, Seth
 Rangiswami Brahuspathi, Dr
 Ranjit Singh
 Rankine, Miss S J
 Raphael, Raphael Abraham
 Rattan Chand
 Ratnaji Dinsah Dalal
 Rattansi Mulji
 Raushan Lal
 Ray, Babu Sarat Chandra
 Ray, Harendra Nath
 Rebeiro, Louis John Alfred
 Rebello, F A C
 Reed, Lady
 Reid, The Rev Times Potter
 Reese, The Rev Thomas Willoughby (also Bar)
 Richards, Mrs H L
 Richardson, Mrs Catherine Stuart
 Rieu, Rev Father Peter John
 Rivenburg, The Rev Dr
 Roberts, Major Charles Stuart Hamilton
 Roberts, Mrs H
 Roberts, The Rev
 Roberts, The Rev J W
 Robertson, Miss M
 Robillard, H
 Robinson, Lieut.-Colonel William Henry Banner
 Robson, J
 Roche, Captain Cyril E A Spencer
 Roe, Colonel Cyril Harcourt
 Roe, Mrs Edith Mary
 Rokade, Mrs Janabai
 Rosecare, Miss Eva Mary
 Rose, Miss Maude
 Ross, F W
 Rukhmabari, Dr Miss (also Bar)
 Rulach, Rev George Bernard
 Rushforth, Mrs W
 Rustomji Faridoonji
 Rutherford, Miss Mary Elizabeth
 Sabawala, Mrs Bopsy
 Sickett, Mrs E
 Sadig, Shams-ud-din
 Sadler A W Woodward
 Sage, Miss M D
 Sahai, Ram (also Bar)
 Suhan Ram Kali
 Sahay, Lala Deonath
 Sahervala, Khan Sahib Ismailji Abdul Hussain
 Salamattulah, Capt Mohammad
 Salkield, Tom
 Samuels, Joseph
 Savidge, Rev Frederick William
 Saw Bai La
 Sawhney, Lala-Isher Das
 Schultze, The Rev Frederick Volkmar Paul
 Scott, Dr D M (also Bar)
 Scotland, Lieut-Colonel David Wilson
 Sen, Dr P C
 Sethna, Dr K S
 Shahi Babu Lal Behar
 Shih, Mohamed Kama
 Shih, Mohammad Nawaz
 Shah, Reverend Ahmad
 Shammath, Rai Bahadur (also Bar)
 Sharifa Hamid Abdul Ali, Mrs
 Sharpe, Miss P E
 Shaw, Mrs Hawthorne
 Shripad Krishna Belvalkar
 Shroff, Dr E D
 Shunker, Cecil Percival Vanconter
 Shyam Rikhi, Raja Francis Xavier
 Shyama Charan Bhattacharyi, Rai Bahadur
 Siddens Mrs
 Simcox, Arthur Henry Addenbrooke
 Simkins, Charles Wyllins
 Simon, Miss M
 Simonsen, J L
 Simpson, Mrs
 Sims, Mrs A
 Sinclair, Reginald Leaby
 Singh, Kanwar Ghumandi
 Singh, Appi Dhul
 Singh, Babu Keshto
 Singh Babu Ramdhari
 Singh, Bhai Gangi
 Singh, Bhai Lehua
 Singh, Bhai Takht
 Singh, Mukhlam
 Singh, Rev P L
 Singh, Rai Bahadur Sundar

- Singh, Kukhmina
 Singh, Risaldar Major, Hanmant
 Singh, Sardar Gurdit
 Singb, G. Sher
 Singh, Sohan
 Sinzhe, Miss L. N. V.
 Sisingi, J.
 Skrine, Mrs. D. F.
 Small, Miss J. M.
 Smith, Miss Ellen
 Smith, The Rev. Frederick William Ambury
 Smith, Miss Katherine Mabel
 Smith, Miss Jessie Edith
 Solomon, Dr. Jacob
 Somervell, T. W.
 Sommerville, The Rev. Dr. James
 Sorabji, Miss S.
 Spencer, Lady E. M.
 Spurgin, Mrs. Francis Clare
 Sri Ram Kunwar
 Srivastava, R. S.
 Stanley, Mrs. S. A.
 Starte, Oliver Herold Baptist
 Steel, Alexander
 Steele, The Rev. John Ferguson
 Stephens, John Hewitt
 Stephens, Mrs. Grace
 Stevens, Miss L. K.
 Stevens, Mrs. (Ethel)
 Stevenson, Surgeon General Henry Wickham
 Stewart, Miss E. F.
 Stewart, Major Hugh
 Stewart, Mrs. Lillian Dorothea
 Stewart, Thomas
 Stillwell, Dr. (Miss) L. M. L. M. D.
 St. Gregory, Rev. Mother
 St. Joseph, J. D.
 Stockings, The Rev. H. M.
 Strip, Samuel Algernon
 Stuart, Dr. (Miss) Gertrude
 Subbu Lakshmi Ammal, Risaldar Subrahmanyam
 Ayyar
 Sundar Singh Sardar, Sardar Bahadur
 Sultan Ahmed Khan
 Sunder Lal
 Sundrabai, Bai
 Swain, Mrs. Walker
 Swainson, Miss Florence (also Bar)
 Swami Shyamamunda
 Swift, Miss Eva
 Swinchatt, C. H.
 Swinhoe, R. C. J.
 Swiss, Miss Emily Constance
 Symes, Miss Kathleen Mabel
 Tahaurulnessa Chaudhuran
 Talcherkar, Mr. M. C. A.
 Talvarkhan, Mrs. M.
 Taleyarkhan, Mr. Manekshah Cawasha
 Tahb Mahdi Khan, Malik
 Tambe, Dr. Gopal Rao Ramchandra
 Tarafdar, Mr. S. K.
 Tarr, Mrs.
 Taylor, Rev. Alfred Prideaux (also Bar)
 Taylor, Mrs. Florence Prideaux
 Taylor, Miss M. A.
 Taylor, Mrs. Marine Louise
 Taylor, John Norman
 Tha, Maung Shwe
 Thein, Maung Po
 Theobald, Mrs. (also Bar)
- Thinnaravi, Mrs. K. S.
 Thiruvankata Acharyar, Mrs. Sita
 Thomas, Miss Frances Elizabeth
 Thomas, Mrs. Mabel Fox
 Thomas, Samuel Gilbert
 Thompson, Mrs. Alice
 Thompson, R. C.
 Thoy, Herbert Dominick
 Thungamm, Miss Bolar
 Thak, H. Vishwanath
 Timothy, Samuel
 Thirunavara Acharyar, M. R. R. V. A. P.
 Tomkins, Sir Lionel Linton
 Tonkinson, Mrs. Edith
 Tudball, Miss Emma
 Turner, Mrs. Vera
 Umabai, Mrs. P.
 Umar Khan, Malik Zorawar Khan
 Usman Sahib Bahadur, Khin Bahadur
 Muhammad
 Vail, C. L.
 Vajifdar, Mrs. Hormusji Manekji
 Vale, Mrs. K.
 Valentine, Capt. C. R.
 Vardon, A. C.
 Varma, Babu Mahendra Deo
 Veronica, Mother Mary, Indore
 Vijayaraghava Acharyar
 Visvesvaraya, Sir Mokshagundam
 Vurghese, Diwan Bahadur George Thomas
 Walt, William Robert Hamilton
 Wakeman, Mrs. E.
 Walayatullah, Khan Bahadur Hafiz Muhammad
 Walawalker, P. Baburao
 Walford, Miss Zoe
 Waller, Frederick Chighton
 Walters, Miss W. E.
 Walton, Mrs. Julia
 Ward, Mr. W. A. P.
 Warhurst, Capt. A. E.
 Warren, Miss Rosamund
 Wares, Donald Horne
 Webb-Ware, Mrs. Dorothy
 Weighell, Miss Anna Jane
 Western, Miss Mary Priscilla
 Weth, Mrs. Rosa
 Whitaker, Miss M. E.
 White, Miss J.
 White, Mrs. A. M. W.
 Wilman, Miss Elizabeth Annie
 Wilkinson, Mrs. A.
 Williams, David Phillips
 Willis, Mrs. Florence Grace
 Willis, Miss S.
 Wilson, Francis Henry
 Wilson, Miss Anna Margaret (also Bar)
 Wince, Miss Jane
 Wiseman, Capt. Charles Sheriffe
 Wiser, Mrs. C. V.
 Woerner, Miss Lydia
 Wood, The Rev. A.
 Wright, Mrs. B.
 Wylie, Miss Iris Eleanor
 Wyness, Mrs. Ada
 Yen Singh
 Yerbury, Dr. J.
 Young, Dr. M. A.

THE VICTORIA CROSS.

The announcement, made at the Delhi Durbar, in 1911, that in future Indians would be eligible for the Victoria Cross, gave satisfaction which was increased during the War and afterwards by the award of that decoration to the following —

Subadar (then Sepoy) Khudadad Khan, 129th Baluchis—On 31st October 1914, at Hollebeke, Belgium, the British Officer in charge of the detachment having been wounded, and the other gun put out of action by a shell, Sepoy Khudadad, though himself wounded, remained working his gun until all the other five men of the gun detachment had been killed.

Naick Darwan Sing Negi, 1-39th Garhwal Rifles—For great gallantry on the night of the 23rd-24th November 1914 near Festubert, France, when the Regiment was engaged in retaking and clearing the enemy out of our trenches and, although wounded in two places in the head, and also in the arm, being one of the first to push round each successive traverse, in the face of severe fire from bombs and rifles at the closest range.

Subadar (then Jamadar) Mir Dast, 55th Coke's Rifles—For most conspicuous bravery and great ability at Ypres on 26th April 1915, when he led his platoon with great gallantry during the attack, and afterwards collected various parties of the Regiment (when no British Officers were left) and kept them under his command until the retreat was ordered. Jamadar Mir Dast subsequently on this day displayed remarkable courage in helping to carry eight British and Indian Officers into safety, whilst exposed to very heavy fire.

Rifleman Kulbir Thapa, 23rd Gurkha Rifles—For most conspicuous bravery during operations against the German trenches south of Maquisart. When himself wounded, on the 25th September 1915, he found a badly wounded soldier of the 2nd Leicestershire Regiment behind the first line German trench, and though urged by the British soldier to save himself, he remained with him all day and night. In the early morning of the 26th September, in misty weather, he brought him out through the German wire, and, leaving him in a place of comparative safety, returned and brought in two wounded Gurkhas one after the other. He then went back in broad daylight for the British soldier and brought him in also, carrying him most of the way and being at most points under the enemy's fire.

Havildar (then Lance Naick) Lala, 41st Dogras—Finding a British Officer of another regiment lying close to the enemy he dragged him into a temporary shelter which he himself had made, and in which he had already bandaged four wounded men. After bandaging his wounds he heard calls from the Adjutant of his own Regiment who was lying in the open severely wounded. The enemy were not more than one hundred yards distant, and it seemed certain death to go out in that direction, but Lance-Naick Lala insisted on going out to his Adjutant, and offered to crawl back with him on his back at once. When

this was not permitted, he stripped off his own clothing to keep the wounded officer warmer and stayed with him till just before dark when he returned to the shelter. After dark he carried the first wounded officer back to the main trenches, and then, returning with a stretcher carried back his Adjutant. He set a magnificent example of courage and devotion to his officers.

Sepoy Chatta Singh, 9th Bhopal Infantry—For most conspicuous bravery and devotion to duty in leaving cover to assist his Commanding Officer who was lying wounded and helpless in the open. Sepoy Chatta Singh bound up the officer's wound and then dug cover for him with his entrenching tool, being exposed all the time to very heavy rifle fire. For five hours until nightfall he remained beside the wounded officer shielding him with his own body on the exposed side. He then under cover of darkness, went back for assistance and brought the officer into safety.

Naick Shahamad Khan, 80th Punjabis—For most conspicuous bravery. He was in charge of a machine gun section in an exposed position in front of and covering a gap in our new line with in 150 yards of the enemy's entrenched position. He beat off three counter attacks, and worked his gun single handed after all his men, except two belt-fillers, had become casualties. For three hours he held the gap under very heavy fire while it was being made secure. When his gun was knocked out by hostile fire he and his two belt-fillers held their ground with rifles till ordered to withdraw. With three men sent to assist him he then brought back his gun, ammunition, and one severely wounded man unable to walk. Finally, he himself returned and removed all remaining arms and equipment except two shovels. But for his great gallantry and determination our line must have been penetrated by the enemy.

Lance-Dafedar Govind Singh, 28th Cavalry—For most conspicuous bravery and devotion to duty in thrice volunteering to carry messages between the regiment and brigade headquarters, a distance of 1½ miles over open ground which was under the observation and heavy fire of the enemy. He succeeded each time in delivering his message although on each occasion his horse was shot, and he was compelled to finish the journey on foot.

Rifleman Karan Bahadur Rana, 23rd Gurkha Rifles—For conspicuous bravery and resource in action under adverse conditions, and utter contempt of danger during an attack. He with a few other men succeeded, under intense fire, in creeping forward with a Lewis gun in order to engage an enemy machine gun which had caused severe casualties to officers and other ranks who had attempted to put it out of action. No 1 of the Lewis gun party opened fire and was shot immediately. Without a moment's hesitation Karan Bahadur pushed the dead man off the gun, and in spite of bombs thrown at him and heavy fire from both flanks, he opened fire and knocked out the enemy machine gun crew. Then switching his fire on the enemy bomber

and riflemen in front of him, he silenced their fire. He kept his gun in action, and showed the greatest coolness in removing defects which had twice prevented the gun from firing. He did magnificent work during the remainder of the day and when a withdrawal was ordered assisted with covering fire until the enemy was close to him. He displayed throughout a very high standard of valour and devotion to duty.

Ressaldar Badlu Singh, 14th Lancers attached 29th Lancers—For most conspicuous bravery and self-sacrifice on the morning of the 23rd September 1918, when his squadron charged a strong enemy position on the west bank of the River Jordan, between the river and Kh es Samarveh Village. On nearing the position Ressaldar Badlu Singh realised that the squadron was suffering casualties from a small hill on the left front occupied by machine guns and 200 infantry. Without the slightest hesitation he collected six other ranks and with the greatest dash and an entire disregard of danger charged and captured the position, thereby saving very heavy casualties to the squadron. He was mortally wounded on the very top of the hill when capturing one of the machine guns single handed, but all the machine guns and infantry had surrendered

to him before he died. His valour and initiative were of the highest order.

Rifleman Gobar Singh Negi, 2nd Battalion, 39th Garhwal Rifles—For most conspicuous bravery on 10th March 1915 at Neuve Chapelle. During an attack on the German position he was one of a bayonet party with bombs who entered their main trench, and was the first man to go round each traverse, driving back the enemy until they were eventually forced to surrender. He was killed during this engagement.

Sepoy Ishaw Singh, 28th Punjab—For devotion and bravery "quite beyond all praise" in Waziristan on 10th April, 1921. He received a severe gunshot wound in the chest while serving a Lewis gun, and when all the havildars had been killed or disabled he struggled to his feet, called to his assistance two men, and charged and recovered the gun, restoring it to action. He refused medical attention, insisting first on pointing out where the other wounded were and on carrying water to them. While the medical man was attending to these wounded he shielded him with his body, and he submitted to medical attention himself only after he was exhausted through three hours' continual effort and by loss of blood.

PASSPORT REGULATIONS

[Note—These instructions are intended for Presidency proper only. Residents in Sind in Sind. Persons residing outside the Bombay respective Governments or Administrations.]

A—British Subjects

1. British Indian passports are issued only to—(1) British subjects by birth, (2) wives and widows of such persons, (3) British subjects by naturalization and (4) British-protected persons.

Before a subject of an Indian State is granted a passport he should show that he has severed all connections with his state of origin and is permanently residing in British India or produce a certificate to show that the state has no objection to the grant of a passport.

2. The Indian Passport Regulations do not require persons to be in possession of passports for leaving India, but as practically every other country requires travellers to be in possession of passports before they are allowed to land at the port of such country, travellers are advised to obtain passports before embarkation. Members of His Majesty's Naval, Military or Air Forces or of the Indian Marine Service travelling on duty and members of the families of such persons when travelling to the United Kingdom on military entitled passages need not have passports.

3. Passports are not required for journeys by sea from Bombay to ports in India or to Burma, nor are passports required for permanent residents of Ceylon or India being British subjects to travel between India and Ceylon. Natives of India travelling to the Federated Malay States or the Straits Settlements do not require passports unless they propose to continue their journey onward. (The term "permanent resident" actually means persons born and domiciled in India.)

4. In order to obtain a passport, an application form (showing, among other things, the reasons for the proposed journey) should be

the information of residents in the Bombay should apply for passports to the Commissioner. Residents should apply for passports to their

filled in by the applicant and the applicant's declaration certified by a Political Officer, Magistrate, Justice of the Peace, Police Officer not below the rank of Superintendent, or Notary Public resident in India. Copies of the form can be obtained from any District Magistrate, from the Commissioner of Police, Bombay, by post from the Passport Officer to the Government of Bombay, by personal application at the Passport Office, or from any of the leading Banking and Shipping Agents in Bombay. Small duplicate unmounted copies of the photograph of the applicant and a fee of Rs. 6 in cash should be forwarded with the application form. Fees are not accepted in stamps or by cheque.

5. The application form when filled in should either be posted with the photographs and fee to the Passport Officer to the Government of Bombay, or should be presented at the Passport Office, Bombay. An applicant who forwards his application for a passport through the post may call at the Passport Office at Bombay to take personal delivery of it, but if it is desired that the passport should be sent to him through the post it will be sent to the local officer of the town in which the applicant resides who will hand over the passport to the applicant personally and take a receipt for it.

6. The Passport Office in Bombay is situated in the Civil Secretariat. The office is open from 10.30 a.m. to 6 p.m. daily, except on Saturdays when it closes at 2 p.m. and on Sundays and public holidays.

7. As a passport is valid for five years, there is no objection to anyone applying for a passport weeks or even months in advance of the date of sailing and much inconvenience will be avoided by early application. A notice of at least

8 In certain circumstances, such as for instance, cases of extreme urgency, the Passport Officer is authorised to issue a travel document called an "Emergency Certificate" on being satisfied as to the nationality and the *bona fides* of the applicant. An application for an Emergency Certificate will on no account be considered, unless it is accompanied by duplicate unmounted copies of the photograph of the applicant.

Iraq

9 Members of His Majesty's Naval, Military or Air Forces or of the Indian Marine Service in uniform and *bona fide* Muhammadan pilgrims (Haj or Zair) holding individual pilgrim passes do not require passports for their journey to Iraq. All intending pilgrims holding pilgrim passes and proceeding to the Holy shrines in Iraq or Persia are warned that if they do not set out on their journey on or about the dates specified on their passes they may be refused permission to land in Iraq or Persia. All other travellers must be in possession of national passports and visas for Iraq. In the absence of Iraqi Consular Officers in India, visas for Iraq are granted by Passport Issuing Authorities in India on behalf of the Iraqi Government subject to the conditions stated below. The Iraq visas are of two kinds—Ordinary, valid for all entries into Iraq during a period of twelve months, and Transit, valid for a single journey only, allowing for stay of not more than fifteen days in Iraq. The fee for these visas is the same as for British visas—*vide* paragraph 18 below. Iraqi national passports are valid for return to that country without any further visa or endorsement.

Except in the case of *bona fide* tourists of ample and independent means, business representatives and employees of well established firms and persons with definite guarantee of employment in Iraq, visas for Iraq will not be granted without the previous permission of the Iraqi Government. The Passport Officer will, on request, ask for this permission by post or, if the applicant is prepared to defray the cost by cable. Applicants must state clearly the nature of their business and give one or more references in Iraq to enable the local authorities to make inquiries regarding the purpose of their journey.

With the exception of tourists who may remain for three months in Iraq without registration, all persons are required to obtain a "permis de sejour" from the police within fifteen days of their arrival in Iraq. Travellers are also warned that before departure from Iraq even on a transit visa they must obtain a passport endorsement of departure.

Passengers, both British and Foreign, proceeding by Eastbound aeroplane on the regular service to India do not require any endorsements or visas on their passports for any of the Arab Principalities. Similarly, passengers by West-bound do not require endorsements or visas, if they are booked to proceed the Arab Principalities places beyond. When, however, they propose to discontinue their journey at Kuwait, Bahrein, Sharjah or Gwadar or to break their journey at any of those places, they must comply with the ordinary passport requirements regarding endorsements and visas.

Egypt

10 In the absence of Egyptian Consular Officers in India visas for Egypt are granted by

Passport Issuing Authorities in India on behalf of the Egyptian Government. The fee for these visas is the same as for British visas—*vide* paragraph 18 below. All visas for Egypt placed on British passports are free of charge.

The Egyptian Government have prescribed rules which regulate the admission of foreigners into Egypt. Generally except in the case of British Government officials, *bona fide* tourists of ample and independent means and representatives of commercial houses of good standing, visas for Egypt cannot be granted whether for permanent residence or for a limited period without a reference to the Egyptian Government. In applying for visas for Egypt, a form of questionnaire laid down by the Egyptian Government which can be obtained from the Passport Office at Bombay, should be filled in. In addition, an applicant for a visa should supply in writing, full particulars as regard the nature of his business in Egypt, the reasons for the journey, the proposed duration of stay in Egypt and what means he possesses.

No transit visa for Egypt can be given unless Egypt is necessarily on the route which the traveller must follow to reach his country of destination, and provided there exists no direct route by which he can reach that country without the necessity of passing through Egyptian territory.

Holders of the new form Egyptian passport do not require visas to return to Egypt.

Other Countries

11 Restrictions exist on travel to various parts of the British Empire and to certain foreign countries. Among these may be mentioned Afghanistan, Australia, Canada, Fiji, Madagascar, Mexico, Mohammedan and Abadan, New Zealand, Palestine, Southern Rhodesia, Union of South Africa, South-West Africa and the United States of America. The restrictions apply particularly to Indians. Detailed particulars with respect to each country will be supplied on application.

Foreign Countries

12 Passports for journeys to or through foreign countries require, after issue, the visa of the Consul concerned. The addresses of the foreign consulates in Bombay will be found in the appendix below. Visas are however, not necessary for Austria, Belgium, Czechoslovakia, Denmark, France, Germany, Holland, Iceland, Italy, Liechtenstein, Luxembourg, Norway, Portugal, Sarro, Spain, Sweden and Switzerland provided the names of these countries are entered on the passport by a British Passport issuing authority. Pilgrims holding pilgrim passes for Iraq are warned that should they desire to proceed to Persia they should obtain a visa on their pass from a Persian Consular Officer in India.

Renewal

13 A passport is valid for five years from the date of issue and is renewable for a further period of from one to five years from the date of expiry of its validity, at the option of the holder, but in no case can a passport be extended beyond ten years from the original date of issue. On expiration of this period, or, if at any time the space provided for visas is covered and the holder wishes to travel to countries for which fresh visas are required a

new passport must be obtained. Application for renewal must be made in the prescribed form, copies of which may be had from any of the officers mentioned in paragraph 4 above. The fee for renewals is Re 1 for each year, or portion of a year, for which the passport is renewed.

Endorsements

14 A passport is valid only for the country or countries endorsed on it and fresh endorsements from a British Passport authority are not needed during the validity of the passport for subsequent journeys to these countries. Fresh endorsements may, however, be obtained on the passport for additional countries. Passports endorsed as valid for the British Empire are also available for travelling to territories under British protection or mandate, not however including Palestine, for which country the passport must be specifically endorsed. The fee for endorsing the names of foreign countries on British passports is Re 1, but no fee is charged for this purpose on British Indian passports. A fee of Rs 1 8 0 is payable for an endorsement for Palestine on both British and British Indian passports.

Marriage

15 A lady on marriage or re-marriage requires a fresh passport.

16 In the case of a joint passport issued in favour of a husband and wife, the latter cannot travel alone on it but should take out a fresh passport surrendering the joint passport for cancellation of her name from it. The particulars of a wife cannot be added to her husband's existing passport. The holder of the passport should either apply for a new joint passport or his wife should apply for a separate passport in her own name.

B—Foreigners

17 Foreigners proceeding direct to their own country, or to, or through, any other foreign

country or countries do not require a British visa on their passports. The nationals of the following countries do not require a British visa for travelling to the United Kingdom. The concession also applies to certain nationals proceeding to certain British Dominions and Colonies and information on this point can be obtained from the Passport Office. The concession does not apply to India—

Austria, Belgium, Czechoslovakia, Denmark, France, Germany, Holland, Iceland, Italy, Liechtenstein, Luxemburg, Norway, Portugal, Sarro, Spain, Sweden and Switzerland.

18 Foreigners who are subjects of the countries shown in the appendix below and who are travelling to British territories for which a British visa is necessary should first obtain passports endorsed for the British territory concerned from their consular representatives and should then present them to the Passport Officer for visa, together with a written statement of the reasons for the journey. British visas are of two kinds, viz, the Non transit and Transit. The fees for these are Rs 7 0 0 and Re 1 0 0, respectively, except in the case of nationals of States which levy higher fees, when the retentory scale of fees will be applied.

19 Other foreigners should apply for Emergency certificates through the Commissioner of Police, Bombay, or, where such foreigners reside in the mofussil, through the District Magistrate of the district in which they are residing. Small duplicate copies of the applicant's photograph must accompany the application. The fee for an Emergency Certificate is Rs 1-8 0.

20 The holder of a foreign passport who has obtained a visa granted by a British Passport Authority outside India for a destination which involves landing in or passing through, India does not need a further visa from the authorities in India.

ADDRESSES OF FOREIGN CONSULATES IN BOMBAY.

- Afghanistan* — Amir's Bungalow, Walkeshwar Road, Malabar Hill
- Austria* — Closed down
- Belgium* — 17, Cuffe Parade, Colaba
- Brazil* — Aspin Building, Nicol Road, Ballard Estate
- China* — Homelands, 1, Central Road, Colaba
- Cuba* — Ter Mahal, Dhobi Talao
- Czechoslovakia* — Khatri Mansion 1st Floor, 17, Cooperage, Fort
- Denmark* — Vulcan House, Nicol Road, Ballard Estate
- Finland* — Alice Building, Hornby Road, Fort
- France* — 11, Cuffe Parade, Colaba
- Germany* — Narandas Building, Sprott Road, Ballard Estate
- Greece* — C/o Ralli Brothers, 25, Warden Road
- Italy* — 8, Cuffe Parade, Colaba
- Japan* — Patel House, 10, Church Gate Street, Fort
- Latvia* — Forbes Building, Home Street, Fort
- Luxemburg* — 17, Cuffe Parade, Colaba
- Netherlands* — 214, Hornby Road, Fort
- Nicaragua* — Alice Building, Hornby Road, Fort
- Norway* — Alice Building, Hornby Road, Fort
- Panama* — American Consul looks after Panamanian interests
- Persia* — Warden Bungalow, opp P O, Colaba
- Poland* — Whiteway Building, Hornby Road
- Portugal* — 23 Cuffe Parade, Colaba
- Roumania* — Mithew Road, Chowpatty
- Siam* — C/o Wallace and Company, Wallace Street, Fort
- Spain* — Pirdaus, opp P O, Colaba
- Sweden* — Vulcan House, Nicol Road, Ballard Estate
- Switzerland* — Volkart Building, Graham Road, Ballard Estate
- Turkey* — Afghan Consul looks after Turkish interests
- United States of America* — Tehrangir Wadia Building, 1 Splandade Road, Fort
- Uruguay* — Mithew Road, Chowpatty

States having Consulates in Calcutta but not in Bombay.*Argentine Republic*—5, Fairlie Place*Bolivia*—7, Old Court House Street*Dominica*—16, New Park Street*Ecuador*—6, Lyons Range (C/o Messrs. Furner Morrison & Co.)*Hungary*—Royal Insurance Buildings, 26, Dalhousie Square*Panama*—9, Esplanade Mansions*Peru*—3, Victoria Terrace*Turkey*—C/o Messrs. & Co., Mercantile Buildings, Lall Bazar*Venezuela*—C/o Messrs. Henry William, India, 1931, Ltd., 7, Church Lane

N B—There are at present no Consuls for Costa Rica, Liberia, Salvador and Mexico at Calcutta. The Consulates for Guaymas and Chib Lane been abolished

The School of Oriental Studies.

This School was established by Royal Charter in June 1916. The purposes of the School (as set out in the Charter) are to be a School of Oriental Studies in the University of London to give instruction in the Languages of Eastern and African peoples, Ancient and Modern, and in the Literature, History, Religion, Law, Customs and Art of those peoples, especially with a view to the needs of persons about to proceed to the East or to Africa for the pursuit of study and research, commerce or a profession, and to do all or any of such other things as the Governing Body of the School consider conducive or incidental thereto, having regard to the provision for those purposes which already exists elsewhere and in particular to the coordination of the work of the School with that of similar institutions both in Great Britain and in its Eastern and African Dominions and with the work of the University of London and its other Schools.

The School possesses noble and interesting buildings, in Finsbury Circus provided by the British Government under the London Institution (Transfer) Act of 1912. The sum of £25,000 required for the alteration and extension of the buildings of the London Institution for the purposes of the School was voted by Parliament. The School buildings are quiet although they are in the heart of the City. The School

provides teaching in more than seventy subjects. In a considerable proportion of the spoken languages instruction is given by teachers belonging to the countries where the languages are spoken, as it is the aim of the School to provide as far as possible both European and Oriental Lecturers in the principal languages included in the curriculum.

Courses on the History, Religions, and Customs of Oriental and African countries form a special feature in the teaching of the School. There is a whole time Professor in Phonetics the classes for which are numerically larger than in any other subject. It is intended to record fully in phonetic symbols all the languages taught at the School.

Owing to the generosity of the Rockefeller Foundation a new sub department under Professor Lloyd James has been opened for the teaching of and research into African Linguistics.

Courses are also provided in Indian Law and the History of India, and arrangements are made from time to time for special courses of lectures to be given by distinguished orientologists not on the staff.

Patron, H. M. the King *Chairman of the Governing Body*, Sir Harcourt Butler, G.C.S.I. *Director*, Professor Sir E. Denison Ross, C.I.E., D. Litt., Ph.D. *Secretary*, G. W. Rossetti, M.A.

Teaching Staff

Name	Subjects	Status
Ethel O. Ashton	Swahili	Lecturer
3 H. W. Bailey, D. Phil. M.A.	Iranian Studies	"
2 T. Grahame Bailey, M.A., B.D., D. Litt.	Hindustani (Urdu & Hindi)	Reader
G. P. Bargery	Hausa	Lecturer
3 L. D. Barnett M.A., D. Litt.	Indian History and Sanskrit	"
2 C. O. Blagden, M.A., D. Litt.	Malay	Reader
R. T. Butler, B.A.	Phonetics	Lecturer
K. de B. Codrington, M.A.	Indian Arts and Crafts	Hon. Lecturer
3 G. H. Durrani Khan, M.A.	Persian	Lecturer

TEACHING STAFF—(contd)

	<i>Name</i>	<i>Subjects</i>	<i>Status</i>
3	C C Davies, Ph D	Indian History	Lecturer
5	H H Dodwell, M A	History	Professor
2	E Dora Edwards, M A, D Lit	Chinese	Reader
3	D E Evans, B A	Hindustani	Lecturer
	T R Firth, M A	Linguistics	"
3	S G Vesey FitzGerald, M A	Indian Law	"
1	H A R Gibb, M A	Arabic	Professor
	Shaykh M M Gomar, B A	Arabic	Lecturer
	Beatrice Honikman, M A	African Phonetics & Linguistics	Assistant Lecturer
	Commander N E Isenmonger, R N (retired)	Japanese	Lecturer
9	A Lloyd, James, M A	Phonetics	Professor
4	Sir Reginald Johnston, K C M G, C B E, M A, LL D	Chinese	"
	S G Kanhere	Marathi and Gujarati	Lecturer
	G E Leeson	Hindustani (Urdu & Hindi)	"
	H J Melzian, Ph D	African Phonetics and Linguistics	"
2	V Minorsky	Persian Literature & History	Reader
2	W Sutton Page, O B E, B A, B D	Bengali	"
	C S K Pathy, M A, D es L	Tamil and Telugu	Lecturer
	M D Ratnasuriya, Ph D	Sinhalese	"
	F J Richards, M A	Indian Archaeology	Hon Lecturer
	Ali Riza Bey	Turkish	Lecturer
7	Sir E Denison Ross, C I E, D Lit, Ph D	Persian	Professor.
3	C A Rylands, B A	Sanskrit	Lecturer
3	W Stede, Ph D	Pali and Sanskrit	"
	J A Stewart, M C, C I E, M A, IOS	Burmese	"
	S Topalian	Armenian and Turkish	"
2	A S Tritton, D Litt	Arabic	Reader
	A N Tucker, M A, Ph D	African Phonetics and Linguistics	Lecturer
8	R L Turner, M C, M A, Litt D	Sanskrit	Professor
3	Ida C Ward, D Lit	African Phonetics and Linguistics	Lecturer
6	I Wartski, B A	Modern Hebrew	"
	S Yoshitake	Japanese and Mongolian	"
	Kadr Zafir, M A	Arabic	"

- 1 University Professor of Arabic and Appointed Teacher
- 2 University Reader and Appointed Teacher
- 3 Recognised Teacher in the University of London
- 4 University Professor of Chinese and Appointed Teacher
- 5 University Professor of the History and Culture of British Dominions in Asia with special reference to India and Appointed Teacher
- 6 Abud Ham Lectureship in Modern Hebrew
- 7 University Professor of Persian and Appointed Teacher (Director)
- 8 University Professor of Sanskrit and Appointed Teacher
- 9 University Professor of Phonetics and Appointed Teacher

The Fisheries of India.

enquire into the working of the Department and make recommendations for its future development have just published their report in two volumes. The Evidence collected by the Committee is an octavo volume of 131 pages and the Report of the Committee is another similar volume of 261 pages. The Report is a remarkable production which summarises the aims and achievements of the Department during the last quarter of a century and contains detailed proposals for the expansion of the Department activities in different directions. The whole work of the Department has received a great impetus as a result of the report of this Committee. The Committee have emphasised the true purpose and aim of a technical Department of Fisheries to be essentially the material amelioration of the lot of the sea going fishermen. The activities of the past 25 years were largely concerned with curing and canning, manufacture of oil and guano and safe guarding of Government revenue. Remarkably successful as they were under the able guidance of Sir Frederick Nicholson, they seemed somewhat to obscure what should be the primary object and policy of the Department. Technological improvements in curing and canning and allied industries should follow ultimately in the wake of improved catches. Socio economic and humanitarian endeavours however necessary and important, in view of the caste system of India, could not directly add one fish to the actual catch of the fisherman. The Committee have therefore urged that efforts to improve the professional knowledge of the sea going fishermen and the catching powers of his craft and tackle which were inaugurated with the acquisition of the trawler in 1926 must necessarily occupy the first place of the departmental programme. The higher staff now consists of five Assistant Directors and an Assistant Biologist. These are respectively in charge of (1) the chank and beche de mer fisheries, (2) the Co operative and educational work and the West coast fish curing yards, (3) inland pisciculture, (4) deep sea fishing, (5) propaganda for rural pisciculture, and (6) biological investigations and fishery research. Certain other officers have charge respectively of sections dealing with technological research, trout fisheries and the fisheries of the Northern Circars. A special staff of officers trained in co operation have been appointed for intensive work among fishermen. The miscellaneous institutions controlled by the Department consist of a small demonstration cannery, a research station for curing, canning and allied industries, a Fisheries Training Institute at Calicut for imparting special training to teachers selected to teach in schools for fisher children of which there were 43 with a total of 3,637 pupils in 1930. All the public fish curing yards which were under the control of the Salt and Abkari Department till 1924 have passed into the charge of the Fisheries Department. It is now possible to introduce the better methods of cure and improved hygiene which the Department has been striving to popularise in all the yards. Due to the transfer of the yards, the Fisheries Department has a large ramified staff of yard officers (Salt Sub Inspectors, Petty Yard Officers and Peons) in almost every large fishing village on the coast. Besides

the direct work of issuing salt for curing, the Department sets itself to train these officers into expert advisers in curing methods and marketing fish, social workers for the incalculation of thrift, co operative and progressive ideas and new industries and lastly as trained observers for recording and reporting on various biological questions connected with fish and fisheries and collecting statistics regarding the value and quantity of sea fish caught and landed. Statistics have been published since 1925-26 regularly every year in the bulletins.

The activities of the Department are so varied and far-reaching that it is difficult even to enumerate them in the space available, much less to give details. So far its most notable industrial successes have been the reform of manufacturing processes in the fish oil trade, the creation of a fish guano industry and the opening of an oyster farm conducted under hygienic conditions. Twenty-four volumes have been issued to date and the twenty-fifth volume in Press. All this work has been carried on under serious handicap for want of adequate staff and equipment.

The educational work of the Department is becoming one of its most important branches whether it be specially training teachers for schools in fishing villages or training men in the technology of curing, canning and oil manufacture, in co operative propaganda and in the supply of zoological specimens for the use of college classes and museums. The last named has filled a long felt want and is contributing materially to the advancement of the study of Zoology throughout India. There is now no need to obtain specimens from Europe as they can be had from the Research Assistant, Fisheries Station, Lannur, Madras, at moderate prices.

Fish Curing—Fish curing is practised extensively everywhere on the Madras coasts. Its present success is due primarily to Dr Francis Day who after an investigation during 1869-71 of the fisheries of the whole of India, pressed for the grant to fishermen of duty-free salt for curing purposes within fenced enclosures. He advocated much else, but the time was not ripe and the salt concession was the sole tangible result of his long and honourable efforts. His salt suggestions were accepted by the Madras Government, and from 1882 a gradually increasing number of yards or bonded enclosures were opened at which salt is issued free of duty and often at rates below the local cost of the salt to Government. At present about 115 of such yards are scattered along the coast and over 55,000 tons of wet fish are annually cured therein. The total receipts on the administration of these yards for the year 1930-31 was Rs 1,97,777-0-4 and expenditure Rs 2,85,913-12-4.

Pearl and Chank Fisheries—In the absence of the pearl fishery during the year, the chank fisheries prospered. An unprecedented number of 467,628 chanks were fished yielding a gross revenue of Rs 17,860-8-8.

The Inland Fisheries—The Inland Fisheries of Madras compare unfavourably with those of Bengal. Many of the rivers dry up in the hot season and few of the many thousands of irrigation tanks throughout the provinces

hold water for more than 6 to 9 months. As a consequence, inland fisheries are badly organised and few men devote themselves to fishing as their sole or even main occupation. The custom is to neglect or ignore the fishery value of these streams and tanks so long as they are full of water only when the streams shrink to pools and the tanks to puddles do the owners or lessees of the fishing rights turn out to catch fish. The result is a dearth of fish throughout the greater part of the year, a glut for a few days, and often much waste in consequence. The chief fresh water fishes of economic importance are the Murrel, notable for its virtue of living for a considerable period out of water, and various carps including Labeo, Catla and the well known favourite of sportsman in India the "Mahseer," Cat-fishes and Hilsa. In the Nilgiris, the Rainbow Trout has been acclimatised and thrives well. The Government working in conjunction with the Nilgiri Game Association maintain a hatchery at Avalanche, where quantities of fry are hatched and reared for the replenishment of the streams of the plateau. Fishing rights in the large irrigation tanks were transferred from Government to local authorities many years ago, these tanks are now being reacqured by Government in order that they may be stocked periodically by the Department, the results so far have shown a profit on the operations. To breed the necessary fry, 7 fish farms are in operation. In these the chief fish bred are the Gourami, obtained from Java, and *Etioplos suratensis* which has the excellent attribute of thriving and breeding as well in brackish as in fresh water, both protect their eggs while developing, a useful habit. Both the Gourami and *Etioplos* are largely vegetarian in diet. A further activity is represented by the breeding of small fishes especially addicted to feed upon the aquatic larvæ of mosquitoes. These are supplied in thousands to municipalities and other local authorities at a nominal price, for introduction into mosquito haunted sheets of water, these anti-malarial operations have proved successful in the places where the local authorities have given proper attention to the direction given.

Marine Aquarium—Perhaps a word is necessary about this institution at Madras. The building was constructed under the auspices of the Superintendent, Government Museum, Madras, and was thrown open to the public on 21st October 1909. The Superintendent, Government Museum, had charge of the Aquarium for ten years till 1919 when it was transferred to the Department of Fisheries. Ever since its opening, being the first institution of its kind in Asia, it has been immensely popular with the public.

A turtle tank of rough semi circular shape with 21 feet as diameter was added during the course of the year.

Deep Sea Fishing and Research—The fisherman has a fairly exhaustive knowledge of the fisheries along the coast up to 7 fathoms. If the catches of fish are to be improved it is necessary to ascertain—

- (1) what kinds and quantities of fish are available beyond 7 fathoms, and,
- (2) how to exploit these deep sea fisheries economically

The department's trawler "Lady Goshen" has been exploring the off shore belt of the sea up to 100 fathoms from Point Calimere to Madras on the East Coast and Calicut to Pigeon Islands on the West Coast, with a view to ascertain the kinds and quantities of fish available there. The Assistant Biologist and staff worked on board the trawler. One remarkable discovery made by this systematic survey is that fish of better quality and in larger quantity are available in deeper waters on the East coast from Point Calimere to Madras than on the West coast from Calicut to Pigeon Islands, during the months of the survey. Whether it is the case throughout the year is yet to be ascertained. However it has helped to revise the general belief that fish are much more abundant on the West coast than on the East coast, and opens up possibilities for large fishery developments on the East Coast which will ultimately increase the supply of fish food and fish manure.

Rural Pisciculture—As a result of the recommendation of the Royal Commission on Agriculture that all practical measures should be adopted to add fish to the diet of the cultivator thereby improving his nutrition, a scheme of rural propaganda was inaugurated in 1930. An Assistant Director with necessary staff was appointed to advise ryots in the stocking of village ponds which number over 106,050 in the Presidency. The work though begun in July 1930, has already completed a survey of ponds in 98 villages, 2,172 wells and 264 ponds in these villages were examined and out of this number 175 wells and 85 ponds were selected as suitable for piscicultural operations and 45 wells and 1 pond were stocked.

Welfare Work—A remarkable feature in the work of the Madras Fisheries Department is the energy which it devotes to the improvement of the condition of the fisherfolk. On Sir Frederick Nicholson's initiative, the Department has always recognised the duty of spreading among them education and the habits of thrift, temperance and co operation. The work has been specially successful on the West Coast. The number of fishermen's co operative societies in 1930-31 was 73.

The need for special efforts to promote co operation among fisherfolk and to renew and stimulate co operative societies to more efficient work has been recognised by Government for some years. The Committee on Fisheries recommended that all co operative work among fishermen both on the West and East Coasts in the Presidency should be done by the Fisheries Department and that, on the analogy of the system in vogue in the Labour Department, the staff of Inspectors of Co operative societies should work under the Fisheries Department, the Co operative supplying trained Inspectors and auditing the books of the societies. The Government partially accepted the recommendations and sanctioned the deputation of 3 Inspectors of Co operative Societies for exclusive work among fishermen under the department.

Two industrial societies were started one at Blinged and the other at Palapatty on the West Coast in 1927 with the object of weaning the fishermen gradually from the influence of

Bombay.

Whereas Bengal's fisheries are at present confined principally to inland waters, those of Bombay are concerned, save in Sind almost entirely with the exploitation of the wealth of the sea. Bombay is favoured with a coast line abounding with excellent harbours for fishing, craft, a fair-weather season lasting for some seven months, and a fishing population more alive to their opportunities and more daring than those of the sister Provinces. Bombay sea-fisheries are of very great importance financially as well as economically and, though there is less necessity for a special department to develop marine industries there is ample scope for most useful work in improving curing methods, in introducing canning, and in the development of minor marine industries particularly those connected with the utilization of by-products. With this end in view the Director of Industries administered the subject of "Fisheries" from 1918 and had for a time two officers in the Department engaged upon fishery investigation and development. A steam trawler was bought for work in Bombay waters in 1920 and began work in May 1921 off Bombay. The experiment continued until February 1922 and the trawler was subsequently sold to the Government of Burma. At the end of the results seemed promising, but the experiment as a whole showed that the cost of maintaining a trawler of the type used could not be met by sales of fish at current market rates. Cold storage has since been installed at the principal fish market in Bombay, but for a trawler special facilities are needed also for rapid coaling, supplying ice and stores and for unloading catches. More than this a change is needed in the medieval conditions under which the local fish market is conducted and there is much to be done in popularising little known species of edible fish such as karel, palu, tambura, and particularly the ray or skate which formed on the average 25 per cent of the total catch but which is so little esteemed locally that it sold on the average at the rate of 100 lbs for a rupee.

Owing to retrenchment the appointments of Fisheries officers have been abolished.

The more important sea fish are pomfrets, sole and sea-perches among which are included the valuable Jew fishes (*Scorpa* spp) often attaining a very large size and notable as the chief source of "fish maws" or "sounds" largely exported from Bombay for eventual manufacture into isinglass. The finest of Bombay fishing boats hail from the coast between Baselin and Surat. These boats are beautifully constructed, attain a considerable size, and are capable of keeping the sea for weeks together. In the season they fish principally off the Kutch and Kathiawar coasts and in the mouth of the Gulf of Cambay. Their main method of fishing is by means of huge anchored stow nets, which are left down for several hours and hauled at the turn of the tide. The chief catches are bombill (Bombay ducks), pomfrets and Jew fishes. The first named are dried in the sun after being strung through the mouth upon lines stretched between upright posts. South of Bombay the fishermen of Ratnagiri and Rajapur make use of another and lighter

class of fishing boat, specially designed for use in drift-net fishing. Fine hauls of bonito seer (a large form of mackerel) and allied fishes are often made during the season from September to January and later of shark and ray fish. For the latter specially large and powerful nets are employed. For part of the fair season, when fishing is not usually remunerative, many of the larger Bombay fishing boats are employed as small coasters, a fact which shows how large they run in size.

In Sind considerable sea-fishing is carried on in the neighbourhood of Karachi chiefly for large and coarse fish, such as soormal, shark, ray and Jew fishes. In order to prevent destructive exploitation of oyster beds the plucking of oyster is confined to licensed fishermen and is limited to a few months of the cold weather. The demand for oysters for edible purposes is considerable, but although many seed pearls are procurable it does not pay to work the beds for these purposes, and the export of such seed pearls to China for use in medicine ceased many years ago. Considerable fisheries exist in the River Indus, chiefly for the fish known as palla, which are annually leased out by Government for about Rs 20,000.

In the Gulf of Kutch two pearl fisheries exist: one for the true pearl oyster, the other for the window pane oyster. The former is carried on by His Highness the Maharaja of Junagar and the other partly by this Prince and partly by the administration of His Highness the Maharaja Gaekwar of Baroda. The latter industry owes its local existence to the enterprise of the Baroda Government which in 1905 obtained the services on deputation of Mr T Hornell, formerly Director of Fisheries in Madras for the purpose of examining the Marine potentialities of the Baroda territory in Kathiawar. One of the consequences was the discovery of large deposits of pearl bearing window pane oysters until then unknown, of late years these beds have produced annually from Rs 15,000 to Rs 25,000 in revenue perhaps the best example we have in India of the profitable nature of well directed scientific enquiry into fishery problems. The Baroda Government, continuing their enlightened interest in the fishery developments have had two officers trained in the Madras Fisheries Department and now employ them in development work on the Baroda coast.

Experiments in canning are now in progress at one of the chief fishing centres on the Southern Kathiawar coast and already promise considerable success particularly with regard to pomfrets.

In 1910 Mr W H Lucas, Collector of Salt Revenue, drew up a report on the improvement of the sea fisheries in the Bombay Presidency. The main conclusions at which he arrived were that the Indian consumer is so conservative that new methods of curing, canning, etc., have no chance of succeeding without the help of patient demonstration by Government as an initial step towards the investment of Indian capital in a new enterprise, and that therefore the establishment of a Government demonstration fishing station at some large fishing centre on the Ratnagiri or Kanara coast may be found advisable after the results of the Madras Government fishing station have been studied.

Recently Mr H T Sorley, ICS, carried out a survey of the fishing resources of the Bombay Presidency and Sind coast. The results of this investigation published by the Bombay Government contain valuable suggestions for the development of the Presidency's fishing industry.

The year 1933 is a memorable one so far as the fishing industry of the City of Bombay is concerned. The year saw the establishment of a Section of Fisheries under the aegis of the Department of Industries, Bombay. This

Section is still in its infancy and there is hardly any data whence it may be possible to draw any deductions about the future of the industry. An important feature of the work of the new Section was the launching of a fast motor boat by Sir Frederick Sikes, the then Governor of Bombay for the rapid transport of fish from the fishing grounds to the landing sites in Bombay. The venture is merely of an experimental nature. The primary object of this experiment is to demonstrate to local fishermen how the adoption of rapid and modern means of transport will directly benefit their trade.

Burma.

Fresh, dried and salted fish and fish paste are consumed by Burmese people. The value of fish imported from foreign countries (chiefly from Straits Settlements) was 8.85 lakhs in 1931-32. The exclusive right of fishing throughout the province of Burma belongs by custom of the country to Government, and the Burma Fisheries Act provides for the protection of this right and for conceding the enjoyment of it to the people subject to certain restrictions for the conservation of the fish.

Revenue.—The economic value of any industry or tract of country can, to some extent, be gauged by the revenue it yields. The fisheries yielded a substantial revenue (about 43.85 lakhs *per annum* during the last decennium) and therefore they are one of the most important sources of national wealth. The receipts declined to 2/3rds of this amount in the year 1932-33 owing to trade and economic depression. Some open lakes, pools of water and small rivers are classed as leaseable fisheries and are leased by Government to the highest and best bidders at public auction for periods varying from one to five years. The total number of leaseable fisheries in the province is 3,606 of which 1,697 lie in the Irrawaddy Division, and 699 in Mabin—one of the five districts in that division.

The Delta consists of a series of saucer shaped islands, many of which have embankments round the greater part of them along the north-east and west. In the hollows of these islands most of the fish come into spawn, and with the floods which overflow the embankment during October the young fry come down country from Upper Burma.

Licenses for fishing in all open fisheries are issued annually to persons who pay the prescribed fees for the specified classes of fishing implements. The greatest revenue from licenses comes from Mergui District where not only is the Pearlry industry carried on, but leases for collecting green snails and sea slugs are issued.

The principal kinds of fish caught in nets on the sea coast are (1) Kakkuan, (2) Katha-brung, (3) Kathahmyin and (4) Kabalu. These are generally made into salt fish which fetch Rs 2 to Rs 3 *per viss*. The creek and fresh water fish from fisheries are generally *ngalhu*, *ngayan* and *ngayun*. Most of them are sold fresh, but some are converted into salt fish. The fish caught in the rivers are generally *ngathalauk*, *Ngagyan* and *Ngaminmyin*. *Kakalaung* and *Ngapoma* which are found in small quantities elsewhere in India are sold in abundance in the Rangoon market.

The Punjab

The year 1932-33 was marked by an important change in the administration of the Fisheries Department. On the retirement of Mr C H Donald the post of Warden of Fisheries was abolished, and the department placed under the control of the Director of Agriculture, Punjab. The Fisheries Research Laboratory was transferred to the Agricultural College, Lyallpur, and now forms part of the Entomological Section at that Institute.

On account of financial stringency no important advance could be made either in conservation or in research. The number of fishing licenses rose from 6,392 in the previous year to 6,917 during 1932-33.

The catches of professional fishermen on the whole were satisfactory, except during the Spring of 1933, when weather conditions were unfavourable for both netting and angling. Hail storms did considerable damage to the fish

in the Sohan Stream in the Rawalpindi District. The trout fishing on the Beas and its tributaries in Kulu was good, except in the Tirthan Stream where the floods were very severe and played havoc with the fish. The number of trout Angling Licenses rose from 113 in the last year to 141. The Anglers got good sport and found the fish in excellent condition. Fishing in the two Trout Streams in Kangra proper was not good. Mahasir fishing in the waters in the sub montane Districts was satisfactory.

Trout cultural experiments were successful in the hills, but the breeding of carp at Chhenawan did not yield any important results. Owing to paucity of funds other fish breeding stations remained closed. 900 Larvicidal fish were sent from the Chhenawan Fish Tanks to three different places for the control of Malaria. These fish have been found by experiments to devour about 100 Mosquito larvae each in one hour.

Travancore.

This State has affiliated fisheries to the Department of Agriculture and with the help of two officers trained in Madras and another officer trained in Japan, the Department has already accomplished a notable amount of development work. Special attention has been given to the regulation of fisheries in backwaters, to the establishment of co operative societies

among the fishing community and to the introduction of improved methods of sardine oil and gurao production. Useful work has been done by one of the officers in elucidating the life-histories of the more valuable food fishes and prawns. Improved methods of curing fish are being introduced. Special Schools have been opened for the education of fisher lads.

The Forests.

Even in the earliest days of the British occupation the destruction of the forests in many parts of India indicated the necessity for a strong forest policy, but whether or not our earlier administrators realized the importance of the forests to the physical and economic welfare of the country, the fact remains that little or nothing was done. The year 1855 marked the commencement of a new era in the history of forests in India, for it was then that Lord Dalhousie laid down a definite and far-sighted forest policy. Further progress was delayed for a time by the Mutiny, but from 1860 onwards forest organization was rapidly extended to the other provinces. The earlier years of forest administration were beset with difficulties, which is not surprising considering that the Department was charged with the unpopular duty of protecting the heritage of Nature from the rapacity of mankind—a duty which naturally roused the antagonism of the agricultural population of India. Exploration, demarcation and settlement, followed by efforts to introduce protection and some form of regular management, were the first duties of the Forest Department. Work on these lines, which is not yet completed in the more backward parts of the country, has been pursued steadily from the commencement, and in consequence large tracts of forest have been saved from ruin and are gradually being brought under efficient management. Whatever may have been the opinions held in some quarters half a century ago as to the need for a policy, such as that expressed in Lord Dalhousie's memorable enunciation of 1855, there is no longer any doubt that results have amply justified the steps taken, and that in her forests India now possesses a property of constantly increasing value, the future importance of which it is hardly possible to overestimate.

Types of Forest—More than one-fifth of the total area of British India (including the Shan States) is under the control of the Forest Department. These areas are classified as reserved, protected or unclassed State forests. In the reserved forests rights of user in favour of individuals and the public are carefully recorded and limited at settlement while the boundaries are defined and demarcated, in the protected forests the record of rights is not so complete, the accrual of rights after settlement not being prohibited, and the boundaries are not always demarcated, while in the unclassed forests no systematic management is attempted, and as a rule the control amounts to nothing more than the collection of revenue until the areas are taken up for cultivation or are converted into reserved or protected forests. The total forest area of British India (including the Shan States) on 31st March 1930 was 240,710 square miles or 22.6 of the

total area. This was classed as follows: Reserved 107,753 Protected 6,263, Unclassed State 135,694

Throughout this vast forest area, scattered over the length and breadth of India from the Himalayan snows to Cape Comorin and from the arid juniper tracts of Baluchistan to the eastern limits of the Shan States, there is, as may be imagined, an infinite variety in the types of forest vegetation, depending on variations of climate and soil and on other local factors. Broadly speaking the following main types of forest may be distinguished—

(1) Arid country forests, extending over Sind, a considerable portion of Rajputana, part of Baluchistan and the south of the Punjab, in dry tracts where the rainfall is less than 20 inches. The number of species is few, the most important tree being the babul or khar (*Acacia arabica*), which however in the driest regions exists only by the aid of river inundations.

(2) Deciduous forests in which most of the trees are leafless for a portion of the year. These forests which extend over large areas in the sub-Himalayan tract, the Peninsula of India and Burma, are among the most important comprising as they do the greater part of the teak and sal forests.

(3) Evergreen forests—These occur in regions of very heavy rainfall, such as the west coast of the Peninsula, the eastern sub-Himalayan tract, and the moisture parts of Burma and are characterized by the great variety and luxuriance of their vegetation.

(4) Hill forests—In these the vegetation varies considerably according to elevation and rainfall. In the Eastern Himalaya, Assam and Burma, the hill forests are characterized by various oaks, magnolias and laurels, while in Assam and Burma the Khasia pine (*Pinus khasya*) grows gregariously at elevations of 3,000 to 7,000 feet. In the North-Western Himalaya the chief timber tree is the deodar (*Cedrus deodara*), which occurs most commonly at elevations of 6,000 to 8,000 feet, and in association with oaks or blue pine (*Pinus excelsa*), towards its upper limit the deodar merges into very large areas of spruce and silver fir, while below it are found extensive forests of the long-needled pine (*Pinus longifolia*) which is tapped for resin.

(5) Littoral forests—These occur on the sea coast and along tidal creeks. The most characteristic trees belong to the mangrove family (*Rhizophoraceae*). Behind the mangrove belt is an important type of forest occasionally inundated by high tides, in which the most valuable species is the "sundri" (*Heritiera fomes*).

Forest Policy—The general policy of the Government of India in relation to forests was definitely laid down in 1894 by the classification of the areas under the control of the Department into four broad classes, namely—

(a) Forests the preservation of which is essential on climatic or physical grounds. These are usually situated in hilly country where the retention of forest growth is of vital importance on account of its influence on the storage of the rainfall and on the prevention of erosion and sudden floods

(b) Forests which afford a supply of valuable timbers for commercial purposes, such, for example, as the teak forests of Burma, the sal forests of Northern, Central, and North Eastern India, and the deodar and pine forests of the North-Western Himalaya

(c) Minor forests, containing somewhat inferior kinds of timber, and managed for the production of wood, fodder, grazing and other produce for local consumption, these forests are of great importance in agricultural districts

(d) Pasture lands—These are not "forests" in the generally understood sense of the term but grazing grounds managed by the Forest Department merely as a matter of convenience

These four classes of forest are not always sharply divided from each other, and one and the same tract may to a certain extent be managed with more than one object

Administration—The forest business of the Government of India is carried out in the Department of Education, Health and Lands. The Inspector General of Forests is also President of the Forest Research Institute at Dehra Dun and is the technical adviser to the Government of India in forest matters. Under the Constitution of 1919 Forests were made a transferred subject in Bombay and Burma, where they had long been administered by the Provincial Governments and in 1924 the Reforms Inquiry Committee presided over by the late Sir Alexander Muddiman, Home Member of the Government of India, recommended that they be transferred in other provinces now unless, any local Government on examination of the position can make out a convincing case against the transfer in its own province

Territorial charges—The various provinces are divided into one or more Forest Circles, each in charge of a Conservator of Forests, provinces containing three or more circles also have a Chief Conservator who is the head of the Department for his province. Circles are divided into a number of Forest Divisions, in charge of members of the Imperial or Provincial Forest Service, these Divisions in most cases correspond to civil districts. Each Division contains a number of Ranges in charge of junior members of the Provincial Service or of Forest Rangers or Deputy Rangers, heavy Divisions are also sometimes divided into Subdivisions. The Ranges are further subdivided into a number of belts or protective charges held by Forest Guards or in some cases by Foresters

Non territorial changes—Apart from territorial changes there are various important posts of a non territorial nature connected with Forest Research and Education, the preparation of Forest Working Plans, and other special duties

The Forest Service—The Forest Service comprises three branches—

(1) The Indian (Imperial) Forest Service with a sanctioned total personnel of 379 officers consisting of the Inspector General of Forests, Chief Conservators, Conservators, Deputy and Assistant Conservators. Of these 281 have been recruited direct to the service. The officers of this service are recruited as probationers subject to the following methods prescribed in the Indian Forest Service (Recruitment) Rules, 1928—

(a) by nomination in England in accordance with such supplementary regulations as may be prescribed by the Secretary of State in Council

(b) by competitive examination in India in accordance with such supplementary regulations as may be prescribed by the Governor-General in Council

(c) by direct appointment of persons selected in India otherwise than by competitive examination,

(d) by the promotion on the recommendation of local Governments of members of the Provincial Forest Services,

(e) by the transfer of promotion of an officer belonging to a branch of Government Service in India other than a Provincial Forest Service

Further recruitment to the Indian Forest Service, whether by promotion or direct appointment, has been suspended until a decision is reached on the recommendation of the Services Sub Committee of the Indian Round Table Conference in regard to the provincialisation of the Indian Forest Service

In Bombay and Burma, where Forest is a transferred subject new services called the Bombay and Burma Forest Services Class I, have been created to take the place of the Indian Forest Service

(2) **The Indian Forest Engineering Service**—This service was created in 1919 but since 1922 no further recruitment has been made. Some of the Forest Engineers have been transferred to the Indian Forest Service or the Indian Service of Engineers and some have resigned or have retired. The future strength is not expected to remain at more than three or four (one each in Bombay, Madras and Punjab)

(3) **The Provincial Service**—Formerly it consisted of Extra Deputy and Extra Assistant Conservators of Forests. All Extra Deputy Conservators who were considered to be fully qualified to hold a major charge were transferred to the Indian Forest Service in 1920. The class of Extra Deputy Conservators has been abolished and the service now consists of Extra Assistant Conservators only. The fixation of the strength of the personnel of the service rests with the local Governments

Officers of this service are eligible for promotion up to 25 per cent of the posts in the Indian Forest Service in provinces other than Bombay and Burma, such promotion being made by the Secretary of State for India. These officers are recruited and trained in India, their

recruitment being a matter for the local Governments. A certain number of posts in the service are filled by the promotion of specially promising Rangers. Owing to the establishment of a course for the training of probationers for the Indian Forests Service at Dehra Dun since 1926, the Provincial Service course ceased to exist from 1928. The I F S College has also closed down at the end of Oct 1932 as a result of the stoppage of recruitment to the Indian Forest Service and as a measure of economy.

(4) The Subordinate Service consists of Forest Rangers (about 840), Deputy Rangers (about 900), Foresters (about 2,000) and Forest Guards (about 11,500). The Rangers are at present trained at three different centres—the Forest College at Dehra Dun (for provinces other than Burma, the Central Provinces, Bihar and Orissa, Bombay and Madras), the Burma Forest School at Pymmana (for Burma), and the Madras Forest College at Coimbatore (for Madras, Bihar and Orissa, Bombay and the Central Provinces). These three institutions were established in 1878, 1898 and 1912, respectively. The training of subordinates below the rank of Ranger is carried out in various local forest schools and training classes.

Research—For the first fifty years of the existence of the Forest Department in India no attempt was made to organize the conduct of forest research, and thus to co ordinate and elaborate the scientific knowledge so necessary to successful economic working. A commencement in organized forest research was at last made in 1906 by the establishment, at the instance of Sir Sainthill Eardley-Wilmot, then Inspector-General of Forests of a Forest Research Institute at Dehra Dun. The Forest Research Institute, is under the administrative control of the Inspector-General of Forests who is also the President. There are five main branches of research, namely Silviculture, Forest Botany, Forest Economic Products, Entomology and Chemistry, each branch being in charge of a research officer. The Timber Testing expert is engaged temporarily on short term contract. Indian Assistants have been appointed to receive the necessary technical training and experience with the object of eventually taking the place of experts if and when properly qualified. The Wood Technology, Paper Pulp Wood Preservation and Seasoning Sections are in charge of Indian experts who have received special training in their various subjects in Europe and America.

As a result of Mr R. S. Pearson's long and able administration of the Forest Economic Branch, the Government of India now have at Dehra Dun a series of forest workshops and experimental laboratories without parallel anywhere else in the world and official reports show that the value of the experimental work done in them is daily exemplified by the unending stream of inquiries received from persons doing business in timber and other forest products, not only in India but elsewhere in the world. The officers in charge of this branch received their training mostly in Europe and America and their efficiency is of a very high order.

Since 1906 research work has been prosecuted energetically so much so that in 1920 a new

scheme was sanctioned for the expansion of the staff and site of the Institute. Since then new land has been acquired, on which new buildings have been built for accommodating the various expanded branches and the new machinery obtained from the United Kingdom. As a result of this, steady progress has been made in the investigations which should ultimately lead to the fuller and better utilization of the raw products produced by Indian forests. Unfortunately the need for retrenchment in all Government activities has stopped or curtailed many promising lines of investigation.

Forest Products—Forest produce is divided into two main heads—(1) Major produce, that is timber and firewood, and (2) Minor produce, comprising all other products such as bamboos, leaves, fruits, fibres, grass, gums, resins, barks, animal and mineral products, etc. The average annual outturn of timber and fuel from all sources during the quinquennium ended 31st March 1931, the latest date for which statistics are available, was 353,863,000 cubic feet against an average of 361,172,000 cubic feet per annum attained in the preceding quinquennium. The annual outturn of timber and fuel from all sources during the quinquennium 1928-29 averaged 362,217,000 cubic feet against an average of 340,000,000 c ft during the preceding quinquennium. The trade in bamboos was almost stationary, with expectations of great development under commercial exploitation for paper pulp manufacture in the near future. The five years witnessed the initiation and development of certain large exploitation schemes, especially in Madras, which had indifferent success. It was hoped in Madras by utilising modern American methods to extract and utilise very large quantities of valuable timbers, but the final result proved that this extensive exploitation was justified neither by the stand of timber in the forests nor by the possibilities of satisfying markets. The Provincial Government after this experience adopted a more cautious policy.

An important measure for the development of forests in the Andamans was sanctioned by the Government of India. Hitherto, elephants had been employed for extraction of timber, with the result that only the fringe of the forests could be touched. The new plan is for the employment of American methods. American logging machinery was purchased and an American expert engaged to take charge of the work. Owing, however, to the wide spread depression in the timber trade the employment of mechanical methods for the extraction of timber have been suspended for the present. Elsewhere in India a great part of the trade in timber lies in the hands of contractors who are regarded as on the whole trustworthy if sufficient control over their operations is maintained.

Forest Industries—The important rôle which the forests of a country play in its general commercial welfare and in providing employment for its population is not always fully recognized. Fifteen years ago it was estimated that in Germany work in the forests provided employment for 1,000,000 persons while 3,000,000 persons, earning £30,000,000 a year, were employed in working up the raw

material yielded by the forests. It accurate estimates were available for India, they would no doubt show that apart from the jungle population which is directly dependent on the forests and the large numbers of wood-cutters, sawyers, carters, carriers, raftsmen and others working in and near them, employment on an enormous scale is provided to persons engaged in working up the raw products. Among these latter may be mentioned carpenters, wheelwrights, coopers, boat builders, tanners, rope-makers, lac manufacturers, basket-makers, and many other classes of skilled labourers. The Indian census shows over a million people and their dependents so employed in British India and nearly a further half million in Indian

States, but these are probably below the actuals, as much forest labour is not whole-time labour, devoting seven or eight months in the year to forest work and the rest to agriculture. With the opening up of the forests, the extension of systematic working, the wider use of known products, and the possible discovery of new products, a steady and extensive development of industries dependent on the forests of India may be confidently anticipated in the future.

Financial Results.—The steady growth of forest revenue, expenditure and surplus during the past 65 years is shown in the following statement, which gives annual averages for quinquennial periods*—

Financial Results of Forest Administration in British India from 1864-65 to 1928-29 (in lakhs of rupees)

Quinquennial period	(Gross revenue average per annum)	(Expenditure average per annum)	Surplus (average per annum).	Percentage of surplus to gross revenue
	Lakhs	Lakhs.	Lakhs	Lakhs
1864-65 to 1868-69 . . .	27 4	23 8	13 6	30·4
1869-70 to 1873-74 .. .	50 3	39 3	17 0	30 2
1874-75 to 1878-79	66 6	45 8	20 8	31·2
1879-80 to 1883-84 .. .	88 2	56 1	32 1	36 4
1884-85 to 1888-89 ..	116·7	74·3	42 4	36·2
1889-90 to 1893-94 . .	159 5	86 0	73 5	46·1
1894-95 to 1898-99 . .	177 2	93 0	79 2	44 7
1899-1900 to 1903-04 .	196 6	112 7	83 9	42 7
1904-05 to 1908-09 .. .	257 0	141 0	116 0	45 1
1909-10 to 1913-14 . . .	296 0	163 7	132 3	44 7
1914-15 to 1918-19 . .	371 3	211 1	160 2	43 1
1919-20 to 1923-24 . .	551 7	367 1	184 6	33·5
1924-25 to 1928-29 . .	595 4	351 1	244 2	40 9

Most of the provinces show a steady increase of surplus. The slump in trade of the last few years was evident in the surplus for the year 1930-31 which fell to 121 lakhs from a previous "peak" figure of 273 lakhs in 1926-27. The figure, however, is still a most favourable one and indicates that the forests of India are being properly worked for the benefit of the country, with the passing of the current world-wide depression the temporary set back in financial results may be expected to disappear.

Agencies—An agency has been established in India by the Government of India for the sale of Government timber and it is at present held by Messrs Martin & Co, Calcutta. The agency held in England by Messrs W W Howard Brothers terminated in December 1926 and the work of

marketing Indian timbers in England (especially Andaman timbers) is now done under the direction of a Timber Adviser who is attached to the Office of the High Commissioner for India. This trade has not yet been raised to a satisfactory level, because, according to the official explanation, "the intense conservatism in English timber trade and the difficulty of obtaining a footing for little known timbers have combined to make satisfactory sales very difficult."

Bibliography—A large number of bulletins and other publications has been issued by the Forest Research Institute, and of these a list can be obtained from the President, Forest Research Institute and College, New Forest, Dehra Dun, U P.

Province	* Area of Province	Forest Area				Per cent of Forests to whole Area of Pro- vince	Outturn of Produce		Revenue Rs	Expendi- ture Rs	Surplus Rs
		Reserved Forests	Protec- ted Forests	Un- classified State Forests, &c.†	Total		Timber and Fuel	Minor Produce			
Madras	1,42,302	15,617	173	11,868	11.2	22,028,000	15,29,891	42,51,871	39,89,887	2,61,987	
Bombay	1,23,216	13,716	1,152	11,868	12.0	52,783,000	19,08,899	56,73,847	40,60,782	1,67,065	
Bengal	75,885	6,561	673	10,079	11.0	19,341,000	5,18,222	16,91,479	16,61,011	33,463	
United Provinces	1,06,720	5,195	1	5,236	4.0	31,414,000	15,25,003	15,28,923	26,41,104	18,81,759	
Punjab	96,930	1,552	3,205	5,278	5.4	31,330,000	14,25,195	22,51,200	21,01,402	1,50,807	
Burma (including Federat- ed Shan States)	(a) 2,43,515	34,449	1,11,777	1,40,200	53.5	83,036,000	7,75,115	1,13,06,019	66,52,310	17,43,709	
Bihar and Orissa	83,083	1,838	1,177	1,017	3.6	11,402,000	2,50,260	6,28,013	7,63,257	1,53,211	
Central Provinces & Berar	99,973	19,613		19,613	19.6	31,401,000	22,53,259	11,47,111	31,53,101	9,03,917	
Assam	55,445	6,115	14,817	20,902	37.8	13,401,000	5,46,795	19,27,078	19,11,278	3,15,870	
North-West Frontier Pro- vince	18,184	245		245	1.8	2,876,000	52,175	7,31,285	7,53,898	22,613	
Baluchistan (portions under British Administration)	51,228	316	472	788	1.4	5,18,916	57,739	27,076	31,086	6,710	
Ajmer-Merwar	2,767	142		142	5.1	5,17,118	17,697	57,587	97,081	— 97	
Coorg	1,582	519	18	537	33.9	3,67,476	27,816	4,85,821	2,98,515	2,37,306	
Andamans and Nicobar	3,143	52		2,190	69.6	3,176,028	9,001	14,51,463	1,31,067	21,07,996	
Total (1931-32)	1,101,902	1,05,900	6,652	2,45,831	22.3	3,05,911,538	1,13,27,397	3,96,07,777	3,00,74,924	95,32,853	
(c)											
1930-31	11,02,602	1,07,753	6,263	2,49,710	22.6	2,28,52,829	1,25,89,851	4,72,56,839	3,52,05,801	1,20,81,036	
1929-30	11,03,491	1,07,353	6,298	2,49,154	22.6	3,00,63,521	1,50,83,915	6,13,22,301	3,03,35,313	2,19,86,916	
1928-29	11,03,593	1,06,819	6,308	2,49,822	22.7	3,06,18,658	1,51,78,316	5,78,091	3,30,01,269	2,27,17,871	
1927-28	11,03,570	1,05,588	7,638	2,50,110	22.6	3,07,01,733	1,51,78,316	6,13,030	3,56,81,651	2,65,18,413	
1926-27	11,00,116	1,02,218	8,626	2,27,117	20.6	3,06,20,306	1,51,87,903	6,10,61,731	3,50,00,316	2,73,10,639	
1925-26	10,99,888	1,01,953	8,107	2,27,070	20.7	3,06,17,823	1,51,87,903	6,10,61,731	3,50,00,316	2,73,10,639	
1924-25	10,99,972	1,03,701	8,278	2,29,896	20.8	3,06,25,800	1,37,13,691	6,10,61,731	3,51,31,978	2,92,12,061	
1923-24	11,00,112	1,03,419	7,931	2,28,850	20.8	3,06,17,823	1,51,87,903	6,10,61,731	3,50,00,316	2,73,10,639	
1922-23	11,00,902	1,00,922	7,298	2,23,701	20.3	3,06,17,823	1,51,87,903	6,10,61,731	3,50,00,316	2,73,10,639	

* Excludes Delhi Province and the British Parganas of Manpur (Central India)

† Unclassed state forests or public forest lands as they are often called, include in many provinces all unoccupied waste, often entirely devoid of trees

(a) Includes 60,615 square miles for Federated Shan States

(b) Including figures for Shan States and Karenmi

(c) Includes Rs 29,092 on account of receipts under the head Forest Research Institute and College

(d) Includes expenditure under heads Imperial (Rs 59,082), Forest Research Institute and College (Rs 7,33,171)

(e) After taking into account deficits under Imperial (Rs 59,082), Forest Research Institute and College (Rs 7,33,171)

WIRELESS TELEGRAPHY AND TELEPHONY

Beam Stations—The year 1927 saw the commencement of Beam wireless services on the Microm system between India and the United Kingdom. Powerful transmitting and receiving stations erected at Poona and Dhond respectively by the Indian Radio Telegraph Company are connected by land line with the Central Telegraph Office in Bombay, whilst stations at Skegness and Grimby are similarly connected with the General Post Office in London, and the circuits are so arranged that messages are exchanged between Bombay and London without intermediate handling at the Beam stations at either end. The huge aerial systems at Poona and Dhond each supported on five steel towers 237 feet in height or landmarks over a distance of many miles. The service was inaugurated by His Excellency the Viceroy on 23rd July 1927 at the Central Telegraph Office, Bombay, when His Excellency transmitted a message to the King and His Majesty's reply was received a few minutes later.

It is noteworthy that the opening of the Beam wireless service coincided with a reduction in rates by the cable companies. The Eastern Telegraph Co. which operates the cable from Europe to India has become merged in the New Imperial and International Communication Ltd.

For reasons of economy most of the inland wireless stations in India were practically closed down and placed in charge of Care and Maintenance parties which carry out tests twice a month the exceptions being Peshawar Radio, which always maintained official communication with Kabul in Afghanistan and Kashgar in China, and Jodogh Radio, which receives British Official Wireless sent out from Oxford and Rugby and passes the messages to Reuters Agency for distribution to subscribing newspapers. The stations at Delhi and Allahabad have now been equipped with apparatus to enable them to function as aeronautical wireless stations and they are used as such. New wireless stations for aeronautical purposes have been erected at Jodhpur in Bilmer and Gaya. The wireless installations at Karachi and Calcutta have been modified so as to meet all the Wireless requirements of aircraft passing over India. New stations equipped for aero nautical communication purposes are under construction at Clutterbong, Akrah, Sindoway and Bassem.

The coast stations, however, have been maintained in a state of high efficiency and many improvements effected. The application of the Baudot system to the high speed continuous wave wireless stations at Madras Fort and Mangaladon (Rangoon) has proved extremely satisfactory, and a large portion of the traffic between Southern India and Burma is regularly worked by this direct route instead of the circuitous route via Calcutta. The traffic is interrupted occasionally by atmospheric interference, particularly during the hot weather but the difficulties have been largely overcome by hand-speed working during the worst periods.

For many years the Bombay stations known as Bombay Radio was located on Butcher Island in the Harbour, but during 1927 a fine

new station equipped with modern apparatus was erected and taken into service at Santa Cruz, just outside the limit of Bombay Municipality.

Radio telegrams exchanged with ships at sea by coast stations in India and Burma continue to increase in number, and now total about 30,000 per annum. Official telegrams are exchanged with the British Naval station at Madras (Colony) via Bombay Radio. Regular service are also maintained between Burma and the Malay Peninsula via Pangoon and Penang and between Burma and Sumatra, whilst radio traffic is passed between Madras and Colombo when the normal route is interrupted.

Wireless telephonic communication between pilot vessels, lighthouses and shore stations are maintained by the Post Office at Bombay and Pangoon. In March 1931, telephonic communication between Bombay and London was established for the first time. The conversations were initiated from the *Belgenland* a tourist ship lying in Bombay Harbour and was made possible through the courtesy of Standard Telephone and Cable Limited in conjunction with the International Marine Radio Company.

Safety at Sea—A noticeable feature of wireless development during the past two years has been the provision of direction finding apparatus at Bombay and Karachi and facilities at other coast stations whereby ships at sea equipped with direction finding apparatus can obtain bearings on coast stations and thus determine their position with a remarkable degree of accuracy. The latest style of Microm beacon was erected on Kennedy Island during 1931 to guide shipping approaching Bombay harbour. All ships equipped with wireless direction finders will now be able to obtain exact knowledge of their whereabouts at a distance of 150 miles from the coast. The beacon is an experiment and is likely to be the first of many others along the coast of India. Improved arrangements for broadcasting time signals, weather reports and navigational warnings from coast stations have also proved of value to ships at sea.

By 1931 there were several years limited by the Government, which are maintained by the Government, Bombay, Madras, Karachi and Rangoon, and although the transmitting sets employed by them were of very low power, the broadcasts were tuned-in over practically the whole of India. The clubs were assisted financially by a Government contribution based upon the revenue from license fees, but this did not nearly suffice to cover the cost of the transmissions, and the greatest credit is due to the members of those clubs for the sporting manner in which they provided additional funds and undertook the entire responsibility for the programmes. Credit is also due to the Indian States and Eastern Agency for the loan of transmitting apparatus, without which the broadcasts would have been impossible.

After negotiations extending over several years, an Indian Broadcasting Company was granted a license to establish broadcasting services upon lines similar to those of the British Broadcasting Corporation, and transmitting stations were erected in Bombay and Calcutta,

the services at the former being inaugurated by His Excellency the Viceroy in July 1927 and the latter by the Governor of Bengal a month later. These stations had each an aerial input of three kilowatts the same as that of the 210 stations in London of which they are practically duplicates. The programmes were so arranged that both Indian and European music are broadcast daily and the news bulletins and market and weather reports are read in two languages.

Bombay broadcasts normally on a wavelength of 3500 metres and Calcutta on 3701 and 1910 metres. Reception in either of these cities and for a distance of twenty or thirty miles around, is possible on crystal sets, of which a very large number have been sold. Valve sets are necessary for those living further afield, but although there has been a considerable demand for them the sales have not reached expectation. One of the greatest difficulties in India is the maintenance of batteries, which is no inconsiderable item when sets containing five or six valves are employed.

The Indian Broadcasting Company was wound up in 1930 and its operations have since been conducted by the Government of India, in the Industries and Labour Department. Government for this purpose formed an Indian State Broadcasting Service and instituted a Central Broadcasting Advisory Committee, representative of the non-official public in association with the Departmental officials, to keep them in touch with public opinion. The Committee has as its chairman the Member of the Viceroy's Executive Council in charge of the Subject (now the Hon. Sir Joseph Bhore) and upon it sit at the present time Messrs N. B. Macbeth and N. M. Dhanoo, M.L.A., Bombay, H. H. Reelands and K. C. Neogy, M.L.A., Calcutta, M. R. Colburn, Financial Adviser to Government in the Posts and Telegraphs Department and B. Rama Rao, Joint Secretary to Government in the Industries and Labour Dept. It is now proposed to establish a series of additional broadcasting stations in different parts of India so as to spread broadcasting receivable on low powered sets throughout the land. Important proposals with this purpose in view were discussed by the Advisory Committee in Calcutta in December, 1930. An event of considerable importance was Bombay's broadcast to the world on December 13, 1933. This broadcast, played from the Empire Station, gave listeners in Europe their first opportunity of hearing a typical Indian programme.

Licenses—Broadcast receiving licenses are issued at Head Post Offices at a fee of ten rupees per year, and cover the use of receiving sets throughout British India except Baluchistan and the North-West Frontier Province. Licenses for fixed stations for transmitting and experimental purposes are much sought after, and despite a careful scrutiny of the applicants, more than 300 have been issued. The number of traders in wireless apparatus who are required to take out special Import Licenses has increased considerably during the past year. This improvement must be ascribed primarily to the commencement of broadcasting

Prospects—The Government of India have always encouraged the development of wireless

in India by private enterprise and to this source the India may look in the future for considerably increased internal radio communication. There are two most promising lines of development, viz.—

(a) Direction of small sets either for speech or Morse in districts where no land lines exist and to link such districts with the existing landlines. In this connection it may be remarked that modern small radio sets are capable of using either Morse or speech at will and if used for speech can be operated by the ordinary desk telephone instrument in daily use all over India.

(b) The use of radio as a substitute for land line to form the trunk telephone route between two cities which already have telephone facilities.

These would, it is thought, open up a new industry which if properly fostered would very soon extend its sales outside the limits of India. It is believed that the majority of parts for small radio sets could be more cheaply manufactured in this country than they can be imported and such an industry would find the right kind of skilled labour already in India.

Radio Telephone Service—An event of considerable importance was the inauguration of the radio telephone service between India and England on May 1, 1933, when His Excellency Sir Frederick Syles, Governor of Bombay, and Sir Samuel Hoare, Secretary of State for India, exchanged messages as a preliminary to the opening of the service to the public.

The service is based upon the beam wireless system which has been operated successfully for the past six years by the Indian Radio and Cable Communications Company between India and the United Kingdom and, since the beginning of this year, between India and Japan. Initially, the radio telephone service was limited to Bombay and Pooné at the Indian end and to the United Kingdom at the other, but facilities for conversation with other places were speedily arranged, and within a month it was possible for people in Bombay to speak to the United States, Canada, Australia, South Africa and many other parts of the world. Similarly, there is a gradual extension of the area covered in India, and when the improvement of the land lines has been completed, nearly every important city will be in direct telephonic communication with England and the rest of the world.

Many technical problems are involved in the perfection of the India-England wireless telephone, not the least of which is the ensuring of secrecy. When the service was first opened, reports from ordinary broadcast listeners in all parts of the country and as far afield as Ceylon indicated that conversations could be "tapped" with the greatest ease, but later "secrecy gear" was installed.

Any private telephone owner will be able to use the service for an overseas call. Before doing so, however, he will have to place a deposit of Rs 100 with the Divisional Engineer, Telegraphs, Bombay.

The charge for a 3 minutes' conversation to (a) places in England, Scotland and Wales is Rs 80, (b) Northern Ireland (Dublin) and the Isle of Man, Rs 84. Each additional minute's conversation to places under (a) will cost Rs 26 11 and to (b) Rs 28.

The Press.

The newspaper Press in India is an essentially English institution and was introduced soon after the task of organising the administration was seriously taken in hand by the English in Bengal. In 1773 was passed the Regulating Act creating the Governor Generalship and the Supreme Court in Bengal and within seven years at the end of the same decade, the first newspaper was started in Calcutta by an Englishman in January 1780. Exactly a century and a third has elapsed since, not a very long period certainly, a period almost measured by the life of a single newspaper, *The Times*, which came into existence only five years later in 1785, but then the period of British supremacy is not much longer, having commenced at Plassey, only twenty-three years earlier. Bombay followed Calcutta closely, and Madras did not lag much behind. In 1780 the first Bombay newspaper appeared, *The Bombay Herald*, followed next year by *The Bombay Courier*, a paper now represented by *The Times of India* with which it was amalgamated in 1861. In Bombay the advent of the press may be said to have followed the British occupation of the land much later than was the case in Calcutta. In Calcutta the English were on suzerainty before Plassey, but in Bombay they were absolute masters after 1665, and it is somewhat strange that no Englishman should have thought of starting a newspaper during all those hundred and twenty five years before the actual advent of *The Herald*.

The first newspaper was called *The Bengal Gazette* which is better known from the name of its founder as *Hick's Gazette or Journal*. Hick like most pioneers had to suffer for his enterprising spirit, though the fault was entirely his own, as he made his paper a medium of publishing gross scandal, and he and his journal disappeared from public view in 1782. Several journals rapidly followed Hick's, though they did not fortunately copy his bad example. *The Indian Gazette* had a career of over half a century, when in 1833 it was merged into the *Bengal Harharu*, which came into existence only a little later, and both are now represented by *The Indian Daily News* with which they were amalgamated in 1866. No fewer than five papers followed in as many years, the *Bengal Gazette* of 1780, and one of these, *The Calcutta Gazette*, started in February 1784, under the avowed patronage of Government, flourishes still as the official gazette of the Bengal Government.

In 1821 a syndicate of European merchants and officials commenced the publication of *John Bull in the East*, a daily paper which was intended to reflect Tory opinion in India and set an example to the Press generally in the matter of moderation and restraint. The name of this journal was altered to *The Englishman* by the famous Stoeckeler in 1836.

From its commencement the press was jealously watched by the authorities, who put serious restraints upon its independence and pursued a policy of discouragement and

rigorous control. Government objected to news of apparently the most trivial character affecting its servants. From 1791 to 1799 several editors were deported to Europe without trial and on short notice, whilst several more were censured and had to apologise. At the commencement of the rule of Wellesley Government promulgated stringent rules for the public press and instituted an official censor to whom everything was to be submitted before publication, the penalty for offending against these rules to be immediate deportation. These regulations continued in force till the time of the Marquis of Hastings who in 1818 abolished the censorship and substituted milder rules.

This change proved beneficial to the status of the press, for henceforward self-respecting and able men began slowly but steadily to join the ranks of journalism, which had till then been considered a low profession. Sir Buchanham, one of the ablest and best known of Anglo-Indian journalists of those days availed himself of this comparative freedom to criticise the authorities, and under the short administration of Adam, a civilian who temporarily occupied Hastings' place, he was deported under rules specially passed. But Lord Amherst and still more Lord William Bentinck were persons of broad and liberal views, and under them the press was left practically free though there existed certain regulations which were not enforced, though Lord Clive, who was Governor of Bombay from 1831 to 1835, once strongly but in vain urged the latter to enforce them. Metcalfe who succeeded for a brief period Bentinck, removed even these regulations, and brought about what is called the emancipation of the press in India in 1835, which was the beginning of a new era in the history of the Indian press. Among papers that came into being, was the *Bombay Times* which was started towards the close of 1838 by the leading merchants of Bombay, and which in 1861 changed its name to the *Times of India*. *The Bombay Gazette*, founded in 1791, ceased publication in 1914.

The liberal spirit in which Lord Hastings had begun to deal with the press led not only to the improvement in the tone and status of the Anglo-Indian press, but also to the rise of the Native or Indian Press. The first newspaper in any Indian language was the *Samachar Durpan* started by the famous Serampore Missionaries Ward, Carey and Marshman in 1818 in Bengali, and it received encouragement from Hastings who allowed it to circulate through the post office at one-fourth the usual rates. This was followed in 1822 by a purely native paper in Bombay called the *Bombay Samachar* which still exists, and thus was laid the foundation of the Native Indian Press which at the present day is by far the largest part of the press in India, numbering over 650 papers.

From 1835 to the Mutiny the press spread to other cities like Delhi, Agra, Gwalior, and even Lahore, whereas formerly it was chiefly confined to the Presidency towns. During

the Mutiny. Its freedom had to be temporarily controlled by the Gagging Act which Canning passed in June 1857 on account of the license of a very few papers, and owing still more to the fears of its circulating intelligence which might be prejudicial to public interests. The Act was passed only for a year at the end of which the press was once more free.

On India passing to the Crown in 1858, an era of prosperity and progress opened for the whole country in which the press participated. There were 19 Anglo-Indian papers at the beginning of this period in 1858 and 25 Native papers and the circulation of all was very small. The number of the former did not show a great rise in the next generation, but the rise in

influence and also circulation was satisfactory. Famous journalists like Robert Knight, James Maclean and Hurris Mookerji flourished in this generation. The *Civil and Military Gazette* was originally published in Simla as a weekly paper, the first issue being dated June 22nd 1872. Prior to and in the days of the Mutiny the most famous paper in Northern India was the *Mofussilte*, originally published at Meerut, but afterwards at Agra and then at Ambala. After a lively existence for a few years in Simla the *Civil and Military Gazette* acquired and incorporated the *Mofussilte*, and in 1876 the office of the paper was transferred from Simla to Lahore, and the *Gazette* began to be published daily.

INDIAN PRESS LAW

Before 1835 all printing of books and paper was subject to licence by the Governor General in Council, and the licences were issued or refused at the discretion of Government. Act XI of 1835 repealed the old Regulations and merely required registration of the printer and made a few minor requirements. That Act was replaced in 1867 by the present Press and Registration of Books Act, and, except for an Act which was in force for one year during the Mutiny, there was no further legislation directly affecting the Press until 1878 when the Vernacular Press Act was passed. That Act was repealed during the Viceroyalty of Lord Ripon in 1882. From that date until 1907 Government made no attempt to interfere directly with the liberty of the Press, the growth of sedition being dealt with in other ways by the passing in 1898 of section 124A of the Penal Code in its present form, which had been originally enacted in 1870, and by the introduction into the Penal Code of section 153A and into the Criminal Procedure Code of section 108. There were a certain number of prosecutions under those sections up to 1907, but the dissemination of sedition through the Press continued. In 1908 the Newspaper (Incitement to Offences) Act was passed which dealt with papers inciting to murder or to acts of violence. This Act failed to have the desired effect.

The Indian Press Act, 1910, was a measure of wider scope, the main object of which was to ensure that the Indian press generally should be kept within the limits of legitimate discussion.

The Act deals, not only with incitements to murder and acts of violence, but also with other specified classes of published matter, including any words or signs tending to seduce soldiers or sailors from their allegiance or duty, to bring into hatred or contempt the British Government, any Native Prince, or any section of His Majesty's subjects in India, or to intimidate public servants, or private individuals.

The different sections of the Act have in view (i) Control over presses and means of publication, (ii) control over publishers of newspapers, (iii) control over the importation into British India and the transmission by the post of objectionable matter, (iv) the suppression of seditious or objectionable newspapers, books, or other documents wherever found.

Repeal of Press Legislation—By the autumn of 1917 the Government of India had begun to consider the desirability of modifying at least one section of the Press Act to which great exception had been taken on account of the wide powers that it gave. Finally, after more than once consulting Local Government, a Committee was appointed in February 1921 after a debate in the Legislative Assembly, to examine the Press and Registration of Books Act, 1887, and the Indian Press Act, 1910, and report what modifications were required in the existing law. That Committee made an unanimous report in July 1921, recommending—

- (1) The Press Act should be repealed.
- (2) The Newspapers Incitements to Offences Act should be repealed.

(3) The Press and Registration of Books Act and the Post Office Act should be amended where necessary to meet the conclusion noted below. (a) The name of the editor should be inscribed on every issue of a newspaper and the editor should be subject to the same liabilities as the printer and publisher, as regards criminal and civil responsibilities, (b) any person registering under the Press and Registration of Books Act should be a major as defined by the Indian Majority Act, (c) local Governments should retain the power of confiscating openly seditious leaflets, subject to the owner of the press or any other person aggrieved being able to protest before a court and challenge the seizure of such document, in which case the local Government ordering the confiscation should be called upon to prove the seditious character of the documents. The powers conferred by Sections 13 to 15 of the Press Act should be retained. Customs and Postal officers being empowered to seize seditious literature within the meaning of Section 124A of the I.P.O. subject to review on the part of the local Government and challenge by any persons interested in the courts, (e) any person challenging the orders of Government should do so in the local High Court, (f) the term of imprisonment prescribed in Sections 12, 13, 14 and 15 of the Press and Registration of Books Act should be reduced to six months, (g) the provisions of Section 16 of the Press Act should be reproduced in the Press and Registration of Books Act.

Effect was given to these recommendations during the year 1922.

Press Association of India—at the end of 1913 this Association was formed in Bombay. According to the constitution "its objects shall be to protect the press of the country by its efforts from arbitrary laws and their administration, from all attempts of the Legislature to encroach on its liberty or of the executive authority to interfere with the free exercise of the printing press by journals, letters and press proprietors, and for all other purposes of mutual help and protection which may be deemed advisable from time to time. Members pay a minimum subscription of Rs. 10 annually. The affairs of the Association are managed by a Council.

Number of Printing Presses at Work and Number of Newspapers, Periodicals, and Books Published

Province	Printing Presses	Newspapers	Periodicals	In total or other Indian Languages	In Indian Languages (Vernacular and Christian) or in more than one Language
Madras	(a) 1,705	(c) 11	1,015	72	2,547
Bombay (d)	1,181	11	522	201	2,234
Bengal	1,218	20	14	811	2,002
United Provinces	785	202	218	37	1,025
Punjab	591	28	280	122	1,188
Burma	1	70	105	8	114
Bihar and Orissa	27	51	58	97	785
Central Provinces and Berar	(d) 112	(c) 71	15	10	182
Assam	(c) 1	21	25	1	63
North-West Frontier Province	28	8	1	1	4
Ajmer-Merwara (d)	2	18	0	10	83
Coorg	5	2	2		
Delhi	197	33	7	17	127
Total, 1929-30	6,520	1,708	2,760	2,551	14,084
Totals	1929-30	6,520	1,708	2,551	14,084
	1927-28	5,910	1,525	2,071	11,815
	1926-27	5,721	1,185	2,627	15,246
	1925-26	5,62	1,378	2,080	11,276
	1924-25	5,312	1,101	2,146	11,728
	1923-24	4,900	1,363	2,888	13,802
	1922-23	4,500	1,282	2,579	12,804
	1921-22	4,083	1,094	2,252	11,807
	1920-21	3,795	1,017	2,597	10,105

(a) 1 date to the Calendar year 1930

(b) Includes 14 Presses which are reported either closed or not working

(c) This includes 13 periodicals which are treated as newspapers as they contain public news or comments on public news

(d) Figures relate to the Calendar year 1930.

Newspapers and News Agencies registered under the Press Rules and arranged alphabetically according to Station where they are published and situated

Stations	Title in full	Day of going to Press
Agra	{ Agra Akhbar Agra Daily Commercial Report Daily Vyaparik Report Ehas Premi Pracharak Samidhyap Karak	Wednesdays Daily Daily Every Thursday Thursdays On the 3rd and 18th of every month
Ahmedabad	{ Ahmedabad and Bombay Market Daily Report Ahmedabad Samachar Associated Press of India Gujarati Punch Gujarat Samachar Navajivan Political Bhomiyo	Daily, except Sundays Daily Saturdays Daily Fridays Thursdays
Ajmer	{ Praja Bandhu Sandesh The Daily Business Report Young India	Saturdays Daily Daily Thursdays
Ajmer	{ Agarwal Samachar Arya Martand Jain Jagat	On Saturday Daily 12th and 17th of every month
Akola, Berar	Praja Paksha	Saturdays.
Akyab	Arakan News	Tuesdays and Fridays
Aligarh	Aligarh Institute Gazette	Wednesdays.
Allahabad	{ Abhyudaya Bharatwasi Free Press of India	Fridays On 1st and 15th of every month
Allahabad	{ Hindustan Review Leader The Star	On first of every month Daily except Mondays Every Monday
Allahabad Katra	Stri Dharam Shikshak	Monthly
Alleppey	Travancore Publicity Bureau	
Amraoti	Udaya	Mondays
Amritsar	{ Akali to Pardesi Daily Beopar Samachar Daily Musawat Daily Sikh Sewak Daily Wakil	Daily, except Sundays. Daily Daily Daily Daily
Amritsar	{ Free Press of India Punjab Press Bureau Qaumi Dard States Press of India Tanzeem	Daily Daily Daily Daily
Amroha	Ittihad	Saturdays
Asansol	Ratnakar	Sundays

Stations.	Title in full	Day of going to Press
Bagalkot . .	{ Kannadiga Navina Bharat . .	Thursdays. Tue days.
Bagerhat ..	Jagran	Sundays
	{ Bangalore Mail Daily Post .. Kasim-ul-Akhbar . .	Daily, except Sundays. Daily Mondays and Thursdays
Bangalore ..	{ Ioka Hithaisi Quick Silver Racing News	Daily On 1st and 15th of every month
	{ Fruth Vecra Kesari	Mondays and Thursdays Daily, except Sundays
Bangalore City	{ Evening Mail Navajeevana New Mysore .	Wednesdays and Thursdays Daily, except Sundays On Saturdays
	{ Prajamitra .. Tri Nadu .	Daily, except Sundays Daily, except Sundays
Barisal .. .	{ Barisal Barisal Hithaisi .	Every Monday Sundays
Baroda	Shree Sayaji Vijaya .. .	Thursdays
Bassein, Burma. .	{ Bassein News . . . Zabumingala . .	Tuesdays and Fridays. Weekly
Beawar	{ Tarun Rajasthan The Young Rajasthan	Weekly Every Wednesday
Belgaum .. .	{ Belgaum Samachar .. Karnatak Vritta .. Samyukt Karnatak ..	Mondays. Every Tuesday. Every Thursday
	{ Aj .. . Awazal Khalk . . . Bharat Jiwan . . . Brahman Maha Sammelan Pandit Patro .. .	Daily Every Wednesday Sundays On Thursdays.
Benares City .. .	{ Farz Hind . . . Hindi Kesari . . . Varnastama . . .	On Wednesdays Thursdays On Mondays and Fridays
Berhampur, Ganjam	{ Bharati Patrika . . Dainikasha . . . Nabeen . . .	Daily, except Sundays. Daily Every Friday
Beznada	{ Sunday News . . .	Every Sunday
Bhavnagar ..	{ Jain . . . Market News . . .	Saturdays Daily, except Sundays.
Bhiwani	Sandesh ..	Sundays
Bijapur	Karnatak Valbhav .. .	Saturdays
	{ Daily Madina . . . District Gazette .. Kamal .. . Mansoor .. .	Daily On 1st and 15th of each month On 1st and 15th of each month On 1st, 8th, 16th and 24th of each month
Bijnor	{ Nyat Risai Tapal	Bi-Weekly Monthly

Stations	Title in full	Day of going to Press
Bijnor—contd	{ The Co Operative Journal The Madina Newspaper	Monthly On 1st, 5th, 9th, 13th, 17th, 21st, 25th and 28th of every month
	{ Toofan Hind	On 4th, 11th, 18th and 25th of each month
	{ Vir	On 1st and 15th of each month
	{ Bombay Chronicle Bombay Samachar Bombay Sentinel Breul Co's Market Report Catholic Examiner	Daily Daily. Daily Daily, except Sundays Saturdays.
	{ Daily Bombay Commercial Re- port	On Wednesday and Sunday
	{ Daily Commercial News	Daily
	{ Daily Cotton Market Report	Daily, except Sundays
	{ Daily Market Bulletin	Daily, on Week days
	{ Daily Vepar Samachar	Daily
	{ Dnyana Prakash	Daily, except Mondays
	{ East Indian Cotton Market Report	Every Friday
	{ Evening News of India	Daily
	{ Free Press Journal	Daily, except Mondays
	{ Got Mail	Saturdays
	{ Gujarati	Saturdays
Bombay ..	{ Gujarati Kesari	Wednesdays
	{ Hindusthan and Pragmatra Illustrated Sunday News	Daily Saturdays
	{ Illustrated Weekly of India Indian Industries and Power Indian Racing News	Sundays On the 15th, each month On Thursdays and according to Mail week race fixtures
	{ Indian Social Reformer	Saturdays
	{ Indian States Journal	Every Friday
	{ Indian Textile Journal	Monthly
	{ Ismaili	Every Saturday
	{ Jam Prakash	Every Saturday
	{ Jam-e-Jamshed . . .	Daily, except Sundays.
	{ Kaiser-i-Hind . . .	Sundays
	{ Khilafat Bulletin . . .	Saturdays.
	{ Khilafat Daily	.. ..
	{ League of Nations (India Bureau) News Agency	
	{ Maheshwari	Thursdays
	{ Memmon Sudharak	Every Thursday
	{ Mercantile Report	Every alternate Sunday
	{ Muslim Herald	Daily
	{ Nawa Kal	Daily, except Mondays
	{ Nusrat	Daily.
	{ O Anglo-Lusitano	Saturdays.
	{ Prabhat	Daily, except Wednesdays
	{ Railway Times	Fridays

Stations	Title in full	Day of going to Press
Bombay—contd	Reuters Commercial	
	Sanj Vartaman	Daily, except Sundays
	Share Market Daily Report	Daily
	Shradhmand	Every Friday
	Shri Lokmany	Daily, except Mondays
	Shri Venkateshwar Samachar	Fridays
	Sun	Daily, except Mondays
	Times of India	Daily
Bowringpet	Kolar Gold Fields News	Tuesdays
Budaon	Akhbar Zulqarnain	6th, 13th, 20th and 27th of every month
Calangute (Goa)	A Voz do Povo	Saturdays
Calcutta	Advance	Daily, except Mondays
	Alkamal	Daily
	Amrita Bazar Patrika	Daily
	Ananda Bazar Patrika	Daily, except Sundays
	Asrijadid	Daily
	Bangabasi	Wednesdays
	Basumat	Daily
	Bhagavan Gandhi	Mondays
	Bharata Mitra	Thursdays
	Business World	Monthly
	Capital	Thursdays
	Collegian	Bi-monthly
	Commerce	Wednesdays
	Commercial News	On the 10th of each month
	Dalmit's Weekly Review of the Calcutta Share Market	Every Saturday
	Dowjadid	Daily
	Englishman	Every Monday
	Gandya	Every Friday
	Hindu Patriot	Daily, except Saturdays
	Hindusthan	Daily, except Sundays
	Hitabadi	Wednesdays
	Indian Engineering	Thursdays
	Indian Finance	Every Friday
	Indian Mirror	Daily
	Indian News Agency	
	Industry	Monthly
	Inqilab-i-Zamana	Daily, except Sundays
	Jain Gazette	Saturdays
	Jugabarta	Every Monday
	Liberty	Daily except Sundays
	Maheshwari	Every Monday

Stations	Title in full	Day of going to Press
Calcutta— <i>contd</i>	Market Intelligence Mitwala Mohammad Muslim Standard Mussalman	Daily. Every Saturday Morning Last day of every Bengalee month Tri-weekly Thursdays
	Nayab Planters' Journal and Agriculturist	Daily Saturdays.
	Prakash .. Rayat Bhandu	Daily Sundays
	Reuter's Commercial, Financial and Shipping Service Sanyabani	Wednesdays Wednesdays
	Sanyabadi Statesman	Daily Daily, except Mondays
	Swatantra Telegraph	Daily . . .
	The Hindicap The Herald The Indian and Eastern Motors	Every Friday On Wednesday every month Monthly
	The Lokmanya The Week	Daily Every Thursday
	United Press Syndicate Vishwamitra Vyapar	Daily,
	Young Men of India World Peace	Daily Monthly Wednesdays
Calicut	Alameen . . . Kerala Sanchari Manorama . Mathrubhumi .	On Saturdays Wednesdays Tuesdays and Fridays On Mondays, Wednesdays Thursdays
	Vitavadi West Coast Reformer West Coast Spectator	Weekly Sundays and Thursdays Wednesdays and Saturdays
	Azad Daily Vartaman Pratap, Hindi Daily and Weekly Paper	Wednesdays Saturdays
Cawnpore ..	Reuter's Telegram Company, Limited The Daily Insaaf Zamana .. ..	.. . Daily, except Sundays 25th day of every month
Chandernagore .	Probartak . . .	Bi-monthly
Chindwara .	Lokmitra . . .	Saturdays
Chinsurah . . .	Education Gazette . . .	Tuesdays
Chittagong . . .	Daily Jyoti Panchjanya	Wednesdays Daily
Cochin ..	Cochin Argus Cochin News Agency Malabar Herald	Saturdays. Saturdays
	Sahodaran	Saturdays

Stations	Title in full	Day of going to Press.
Cochin Mattancherry	Malabar Islam . . .	.. .
Cocanada .. .	Ravi ..	Thursdays
Combatore	{ Commercial News Peoples Friend	Daily Mondays.
Contal	Nithar .. .	Mondays
Cranganore	Dharmar Kahalam	Every Saturday
Cuttack ..	{ Indian Sunday School Journal Utkal Deepika . Young Utkal	Monthly Fridays On Thursday
Dacca .. .	{ Dacca Gazette . . . Dacca Prakash Janvani	Mondays, Sundays, Daily
Dakor	Sadhu Sarvaswa	On 9th day of Hindu Fortnight
Darjeeling	Darjeeling Times and Printing Gazette	Tuesdays
	{ Alman Alkhali Arjun Asir ..	Daily On 3rd, 11th, 19th and 26th of every month Daily. Daily
	Bhavisya Wani Daily Hamdard .	On 25th of each month Daily, except Fridays
	Daily Mahabir Daily Nizam Gazette	Daily Daily
	Daily Waqt Delhi Information Bureau	Daily
	General News Agency and Book Depot Hindu Sansar	Daily. Weekdays
Delhi	Hindustan Times Indian News Agency . . .	Daily. . . .
	Khabardar Millat Daily National News Agency .	Tuesdays Daily. . . .
	National Call Parik Prakash Rajasthan	Daily Monthly Thursdays
	Reuter's News Agency Riyasat The Statesman Swarajya . Tej	Thursdays. Daily Daily Daily
	The Tagat	On 1st, 8th, 16th and 24th of every month
	United India and Indian States Watan Weekly Herald Weekly Moballig	Every Friday. Daily Every Thursday

Stations	Title in full	Day of going to press
Deoria .	Arun	On 1st of each month.
Dharwar ..	Karnatakavritta and Dhananjaya	Tuesdays.
	Raja Hansa	Daily.
	Vijaya	Daily
Dhulla .. .	Khandesh Valbhav	Fridays.
	Prabodh	Saturdays.
Dibrugarh	Times of Assam	Fridays.
	Jagaran	Daily.
Ganhatl . . .	Assamiya	Saturdays.
Gaya .	Bihar Advocate and Kayastha Messenger	Sundays.
Gorakhpur ..	Dacet	Fridays
	Gyansakti	Saturdays
	Hind Mitra	Saturdays
	Jadava	13th and 15th of each month
	Kalyan .	1st of each month
	Mashriq .	Fridays
	Motor Car	1st of each month.
Guntur	Swadeshi	Saturdays.
	Tar	Daily.
	Deahabhimani ..	Daily.
	Vyapar ..	Daily and Bi weekly.
Harpur .		
Howrah	Bhava Duta	Daily.
Hubli (Bombay) .	Taruna Karnatak	Daily
Hyderabad, Deccan .	Munshur	Daily
	Mushoor-i-Deccan	Daily.
	Rahbore Deccan Reuter's Limited .	Daily, except Fridays.
	Sahifa-i-Rozana	Daily.
	Desh Mitra	Daily
Hyderabad, Sind ..	Hindu .. .	Daily
	Jot .. .	1st and 3rd Sunday of every month
	Musaafir	Saturdays.
	Nava Yuga	Daily, except Sundays
	Nayjivan	Every Saturday
	Prakash	Daily, except Sundays
	Prem Pracharak Sind Hindu .	Every Friday.
	Sindvasi	Daily
	Swatantra	Every Tuesday

Stations.	Title in full	Day of going to Press
Indore	The Central India Times	On Tuesdays
Indore City	Indore Dainik Vepar Samachar	Daily
Jacobabad	Frontier Gazette	Saturdays
Talgaon (Khandesh)	Pragnati	Weekly
Jammu, Tawi	Rambir	Sundays
Jamnagar	Jamnagar Vepar Samachar	Daily
Jaramoria	Daily Beopar Patar	Daily
Jhansi	{ Free India	Fridays
	{ Sahas	Sundays
Jhansi City	Avava	Wednesdays
Jorhat	Batorl	
Jubbulpore	{ Free Press of India	Third Thursday of every month
	{ India Sunday School Journal	
	{ Karmaveer	Fridays
	{ Lokmat	Daily
	{ Alwaid	Daily, except Sundays
	{ Cotton Daily Market Report	Daily
	{ Daily Commercial News	Daily
	{ Daily Gazette	Daily
	{ Evening News	Daily
	{ Hitechlu	Daily
	{ Karachi Commercial News Paper	Daily
	{ Kesari	Daily, except Sundays
	{ Mauji	Daily
Karachi	{ Morning Post of India	Daily
	{ New Times	Daily
	{ Parsi Sansar	Saturdays.
	{ Reuters Commercial, Financial and Shipping Service	
	{ Rozana Biupar	Daily
	{ Rozana Samachar	Daily
	{ Sansar Samachar	Daily
	{ Sind Herald	On Wednesdays
	{ Sind Observer	Wednesdays and Saturdays
	{ Sind Sudhar	Saturdays
	{ Sind Vartman	Daily
Karai Kudi	{ Dhana Vysia Ootran	Fridays
	{ Kumaran	Wednesdays
Khandwa	{ Karamveer	Saturdays
	{ The Hindi Swarajya	Monday
Khulna	Khulna Basl	Thursdays
Kolhapur City	Vidyavilas	Fridays

Stations	Title in full	Day of going to Press
Kot Radha Kissen	The Weekly Naresb	Saturdays
Kottayam	Malayala Manorama Nazran Deepika .. Bowraprabha	Daily Weekly Tuesdays and Fridays
Kumta	Kanara News Karnatak Leader	Thursdays Daily
Kurauli	Utkarsh	Last week of each month
	Ahrar Akhbar-i-Am Bande Nataran Civil and Military Gazette	Daily Daily Daily, except Sundays Daily (Sundays excepted)
	Daily Hurriyat Daily Karamvir Daily Mirap	Daily Daily, except Tuesdays ..
	Daily Zamindar Himayat i Isl Jannabbumi Lahore News Agency Muslim Outlook	On Wednesdays Daily
Lahore	Phul Pratap Progressive Punjab Rajasthan Rajput Gazette	Daily Daily 1st of every month Mondays 1st, 8th, 16th and 24th of every month
	Siyasat Sunday Times The Eastern Times	Daily, except Sundays Sundays Daily
	The New World The People Tribune	On last day of every month Saturdays Daily, except Sundays
	Vir Bharat Watan Weekly Azad	Daily, except Sundays Thursdays On every Monday
Larkana	Aftab Kadri Khairkhah Larkana Gazette Nawrose The Azadi	On Saturdays On Saturdays Saturdays Fridays On Mondays Fridays
	Advocate Aina Anand	Wednesdays and Saturdays On Thursdays Thursdays
	Daily Hamdam Hqiqat Huque	Daily Daily Daily
Lucknow	Himnat Hindusthani Indian Witness Kaukab-i-Hind Observer Pioneer	Daily, except Sundays & Holidays Bi-weekly Wednesdays. Wednesdays On Thursdays Daily, except Tuesdays

Stations.	Title in full	Day of going to Press
Judhiana	Matwala Weekly	On Mondays
	Daily Commerce	Daily
Tyalpur	Daily Market Report	Daily
	The Daily Proper Gazette	Daily
	Weekly Tajarat	On Thursdays
	Ananda Bodhini	Every Wednesday
	Catholic Leader	Wednesdays
	Christian Patriot	Saturdays
	Daily Express	Daily, except Sundays and Monday morning
	Daily News	Daily
	Deshbandhu	Every Saturday
	Deshbhaktan	Daily
Madras	Dinayartamani	Daily
	Dravidan	Daily
	Hindu	Daily
	Hindu Nesan	Saturdays
	India	Daily, except Sundays
	Indian Express	Daily
	Indian Railway Journal	15th of every month
	Indian Review	Monthly
	Janarthamani	Weekday
	Jardina Rozgar	Saturdays
	Justice	Daily
	Law Times	Saturdays
	Madras Mail	Daily
	Muhammadan	Mondays and Thursdays
	Mukhlir i Deccan	Wednesdays
	Nayadipika	Daily
	New India	Daily
	New Times	Daily
	Patriot	Saturdays
Mandalay Mangalore	Reuters Commercial and Shipping Service	
	Scientific Press of India	
	Standard Sporting News	Fridays
	Swathanthara Sangu	Tuesdays and Fridays
	Tamil Nadu	Saturdays
	The All India Racing News	Fridays
	The Daily Alma E	Daily, except Fridays
	The Original Vel Sporting News	Thursdays
	The Venus Sporting News	Fridays
	Upper Burma Gazette	Daily
Margao (Goa)	Swadeshabhimani	Thursdays
	A Terra	Wednesdays and Saturdays
	Noticias	Mondays
Mattancheri	Ultramar	Mondays and Fridays
	Chakravarthi	Saturdays

Stations	Title in full	Day of going to Press
Mehar	Shamshur Islam	On Thursdays
Meerut	{ Bhavishya Bani Roznama Qaum	Every Saturday Daily
Mhow	Satyarth Patrika	Thursdays
Mirpurkhas . .	{ Mirpurkhas Gazette . . Musalman	Wednesdays Every Saturday
Mirpur City	Khichri Samachar	Saturdays.
Moulmein .. .	Moulmein Advertiser .	Daily
Mount Road, Madras	Hindu	Daily, except Sundays
Mussoorie .	Mussoorie Times .	Thursdays.
Muttra ..	Jain Gazette .	Mondays.
Muvattupuzha	Kerala Dheepika . .	Saturdays
Muzaffarnagar	Weekly Sewak .	Weekly
Muzaffarpur	Loksangrah	Wednesdays
Mymensingh .	Charu Mihir	Tuesdays.
Mysore	Wealth of Mysore	Daily, except Sundays
Nabadwip	Nadia Prakash	Daily
Nagercoil .	Travancore Times .	Tuesdays
Nagpur .	{ Hitavada . Indian Labour Journal Maharashtra	Wednesdays Saturdays Tuesdays
	{ Swatantrya . Tarun Bharat Young Patriot	Daily, except Mondays On Tuesdays Sundays
Naini Tal	{ Associated Press of India Naini Tal Gazette ..	Wednesdays
Nasik .	Loksatta .	Saturdays
Nathingali	Associated Press of India	
Naushahro	{ Mata Shakti	On Wednesdays every Fortnight Mondays
Nawabshah	{ Nawabshah Gazette Mukti	On Wednesdays Monthly
New Delhi	{ Free Press Bulletin Free Press of India Statesman	Daily Daily
Nova Goa .	{ Diario de Noite .. . Heraldo .. O'Debate .. O'Heraldo	Daily Daily, except Mondays. Mondays Daily, except Sundays and holidays
Ootacamund ..	{ Associated Press of India. South of India Observer Nilgiri Times	Daily issue, except Sundays Wednesdays.

Stations	Title in full	Day of delivery to Press
Oral Palamecottah Pandharpur	Utash Varanthy Varthamnam Pandhary Mitra	Thursdays Every Saturday Sundays
Pangsa Panjim, Goa Parur	Kanhal O Cremo Uttara Tharata	Fridays Saturdays Saturdays
Patna	Associated Press of India Behar Herald Express Free Press of India Hechal Mahaveer Patna June Searchlight	Saturdays Daily On Mondays Daily On Saturday Saturdays
Pen	Kolaba Samachar	Fridays
Peshawar	Associated Press of India Khyber Mail Sarhad The Frontier Advocate	On Sundays Daily On Mondays
Pooner	Deccan Herald Dnyana Prakash Harshan Keshari Maharatta Poona Star Servant of India Sakal Sun War Cry	Daily Daily except Mondays Weekly Tuesdays and Fridays Sundays Daily Wednesdays Daily, except Tuesdays Every Saturday Monthly
Poona City	Dinabandhu Satyagrahee Satyaprakash Servant of India	Every Thursday Bi-weekly Daily Weekly
Quadian (via Batla)	Alfanzal Alhakam Alfarooq Nur Review of Religions (in English) Do (in Urdu)	Bi-weekly Weekly Weekly Fortnightly Monthly Monthly
Quetta	Baluchistan Gazette Baluchistan Herald Daily Bulletin	Wednesdays and Saturdays Daily
Quilon	Desabhimani Malayala Rajyam Malavali	Daily Wednesdays and Saturdays
Rajkot .. .	East & West Trade Developer Kathiawar Times Lohana Hitechhu Western India Press News Agency	Last day of every month Wednesdays and Sundays Wednesdays
Rampur (Kathiawar) Ranchi	Saurashtra Associated Press of India	Daily
Rangoon	Burma Exchange Gazette and Daily Advertiser Burma Sunday Times Chinese Daily News	Daily Sundays

Stations	Title in full	Day of going to Press
Rangoon— <i>contd</i>	{ Free Burma . . .	Daily
	{ Free Press of India . . .	Tri-weekly
	{ New Burma . . .	Daily, except Mondays
	{ New Light of Burma . . .	
	{ Rangoon Daily News . . .	Thursdays
	{ Rangoon Evening Post . . .	Week-days
Rangoon— <i>contd</i>	{ Rangoon Gazette . . .	Daily, except Mondays
	{ Rangoon Mail . . .	Saturdays
	{ Rangoon Times . . .	Daily, except Sundays
	{ The Commercial News . . .	Daily
	{ The Sun . . .	Daily, except Sundays
	{ . . .	
Ratnagiri .	{ Balvant . . .	Tuesdays
	{ Satva Shodhak . . .	Sundays
Rawalpindi	{ Frontier Mail . . .	Daily, except Sundays & Holidays
	{ Prabhat . . .	Daily
	{ Shihab . . .	Bi-weekly
Robertsonpet	Kolar Goldfield News . . .	On Tuesdays
Rohri	Sirat Mustakim . . .	On 15th of each month
Satara	{ Shubha Suchaka . . .	Fridays
	{ Samarth . . .	Every Sunday
Satara City	Prakash . . .	Wednesdays
Secunderabad .	Hyderabad Bulletin . . .	Daily
Shahjahanpur .	Sarpunch . . .	Daily.
Shikarpur Sind	{ Alhanif . . .	Every Monday
	{ Melap . . .	Every Monday
	{ Message of happiness . . .	1st of each month
	{ . . .	
Shikarpur Sind	{ Qurbani . . .	Daily
	{ Shewak . . .	Every Wednesday
	{ Sidakat . . .	Thursdays
Shillong	International Times . . .	On Saturdays
Sholapur	{ Kalpataru . . .	Sundays
	{ Karma-yogi . . .	Thursdays
	{ . . .	
Sholapur	{ Sholapur Samachar . . .	Tuesdays
	{ The Jain Gazette . . .	Tuesdays
Silchar	{ Navajug . . .	Monthly
	{ Surma . . .	Sundays
Simla	{ . . .	
	{ . . .	
Srinagar Kashmir ..	{ Sunday Times (Simla Edition) . . .	Mondays
	{ Daily Vistara . . .	Daily
Sukkur	{ Alhazq . . .	On Saturdays
	{ Alhazb . . .	On Fridays
	{ Dharmanir . . .	Saturdays
	{ Rajput . . .	On 1st of every month
	{ Sagar Chakar . . .	On 1st and 15th of every month
	{ . . .	
	{ . . .	
Sukkur	{ Sind Samachar . . .	Wednesdays and Saturdays
	{ Sindhi . . .	Saturdays
	{ Sukkur Gazette . . .	On Thursdays
	{ . . .	

Stations	Title in full	Day of going to Press
Surat	Daily Market Report	Daily
	Deshbandhu	Daily, except Sundays
	Deshi Mitra	Thursdays
	Finance Circular	Daily
	Gujarat	Daily, except Sundays
	Gujarat Mitra and Gujarat Darpan	Saturdays
	Investor's Report-Daily Quotations	Daily, except Sundays
	Jain Mitra	Wednesdays
	Khandwala Circular	Daily
	Prata Pokar	Wednesdays
Sylhet	Pratap	Every Friday
	Samachar	Daily, except Mondays
	Samraaj	Daily
	Shree Circular	Daily, except Mondays
	Surat Alhaz	Sundays
	The Hindu	Daily
	Janasakti	On every Tuesday
	Paridarsaka	Wednesdays
	Tilhar Munshi	4th 11th 18th, and 25th of every month
	Kalpala	Monthly
Tirupur	Daily Bombay Telegraphic Cotton News	Daily, except Mondays
	Daily Cotton Bulletin	Daily, except Mondays
	Nawabharathi	Tuesdays and Fridays
	The Market Report	On Mondays, Wednesdays and Thursdays
	The Star of India	Every Thursday
	Chandamarutham	Daily, except Sundays
	Wednesday Review	Wednesdays
	Lokaprakasam	Mondays
	Associated Press of India	Daily
	Malayalam Daily News	Daily
Trichinopoly	Reuter's Limited	Tuesdays, Thursdays and Saturdays
	Samadarsi	days
	Travancore Press Service	Daily
	Trivandrum Daily News	Saturdays
	The Link	Tuesdays, Thursdays and Saturdays
	Western Star	days
	Daily News	Daily
	The Daily Cotton News	Daily
	The Indo Foreign Market News	Daily
	Satyagrahi	Thursdays
Tuticorin	Andhra Advocate	Fridays
	Vrittasar	Mondays
	Maharashtra Dharma	Tuesdays
	Rajasthan Kesari	Saturdays
	Lokamat	Thursdays
	Udipi	Thursdays
	Vizagapatam	Fridays
	Wai	Mondays
	Wardha	Tuesdays
	Yeotmal	Saturdays

Banking.

An event of great importance in the history of Indian banking was the formation on the 27th January 1921 of the Imperial Bank of India by amalgamation of the three Presidency Banks of Bengal, Bombay and Madras

The idea of a Central Banking establishment for British India was mooted as early as 1836, and was the subject of a minute by Mr James Wilson, when Finance Member, in 1859. Again, in 1867 Mr Dickson, the well known Secretary of the Bank of Bengal, submitted detailed proposals for an amalgamation of the three Presidency Banks. On various later occasions the matter was brought forward without result and it was discussed by the Chamberlain Commission on Indian Finance and Currency in 1913. The present scheme which has come to fruition was however the result of a *rapprochement* on the part of the Banks themselves as a result of the experience gained during the war and the realisation of the desirability of strengthening and extending the Banking system in India.

The Presidency Banks—The history of the Presidency Banks in their relationship with Government falls into three well-defined stages. Prior to 1862 the Presidency Banks had the right of note issue, but were directly controlled by Government and the scope of their business was restricted by their charters. The second period was from 1862 to 1876. In 1862 the Banks were deprived of the right of note issue, though by their agreements of that year they were authorised to transact the paper currency business as agents of Government. As compensation for the loss of their right of issue, they were given the use of the Government balances and the management of the treasury work at the Presidency towns and at their branches. The old statutory limitations on their business were at the same time greatly relaxed, though the Government's power of control remained unchanged. In 1866 the agreements were revised and the paper currency business was removed from their control and placed under the direct management of Government. The third period dates from the Presidency Banks Act of 1876 by which nearly all the most important limitations of the earlier period were reimposed. But, very briefly, the principal restrictions imposed by this Act prohibited the Banks from conducting foreign exchange business, from borrowing or receiving deposits payable out of India, and from lending for a longer period than six months, or upon mortgage or on the security of immovable property or upon promissory notes bearing less than two independent names or upon goods, unless the goods of the title to them were deposited with the Bank as security. At the same time Government abandoned direct interference in the management, ceasing to appoint official directors and disposing of their shares in the Banks. The Banks no longer enjoyed the full use of the Government balances. Reserve Treasuries were constituted at the Presidency towns into which the surplus revenues were drawn and the balances left at the disposal of the Banks were strictly limited.

This system continued with only minor modifications until 1920. During the war, however, the policy was deliberately adopted of reducing the amount of the balances held in the Reserve Treasuries and leaving much larger balances with the Headquarters of the Presidency Banks in order to assist the money market.

The Imperial Bank—Under the Imperial Bank of India Act (XLVII of 1920), the control of the Bank is entrusted to a Central Board of Governors with Local Boards at Calcutta, Bombay and Madras and such other places as the Central Board, with the previous sanction of the Governor-General in Council may determine. The Central Board of Governors consists of—

- (a) Managing Governors not exceeding two in number, appointed by the Governor-General in Council on recommendation by the Central Board,
- (b) the Presidents, Vice-Presidents and Secretaries of the Local Boards,
- (c) the Controller of the Currency, or other officer nominated by the Governor-General in Council, and
- (d) not more than four non-officials, nominated by the Governor-General in Council.

Representatives of any new Local Boards, which may be constituted, may be added at the discretion of the Central Board.

The Controller of the Currency and the Secretaries of the Local Boards are entitled to attend the meetings of the Central Board but not to vote under the agreement with Government. The Governor-General in Council is entitled to issue instructions to the Bank in respect of any matter which in his opinion vitally affects his financial policy or the safety of the Government balances, and if the Controller of the Currency or such other officer of Government as may be nominated by the Governor-General in Council to be a Governor of the Central Board shall give notice in writing to the Managing Governors that he considers that any action proposed to be taken by the Bank will be detrimental to the Government as affecting the matters aforesaid, such action shall not be taken without the approval in writing of the Governor-General in Council. Under the Imperial Bank of India Act provision was made for the increase of the capital of the Bank. The capital of the three Presidency Banks consisted of 3½ crores of rupees in shares of Rs 500 each, fully subscribed. The additional capital authorised was 7½ crores in shares of Rs 500 each, of which Rs 125 has been called up, making the present capital of the Bank Rs 11½ crores, of which Rs 5,62,50,000 has been paid up. The Reserve Fund of the Bank is Rs 5,22,50,000 and the Balance Sheet of 31st December 1933 showed the Government balance at Rs 6,44,10,571, other deposits at Rs 74,12,77,440 and Cash Rs 18,50,75,840, with a percentage of Cash to liabilities of 22.83.

Class of Business—The Imperial Bank of India Act follows the Presidency Banks Act of 1876 in defining absolutely the class of business

in which the Bank may engage, though the older limitations are modified in some minor points. It permits for the first time the constitution of a London Office and the borrowing of money in England for the purpose of the Bank's business upon the security of assets of the Bank, but not the opening of cash credits, keeping cash accounts or receiving deposits in London except from former customers of the Presidency Banks. The Act provides for an agreement between the Bank and the Secretary of State, and this agreement, which was signed on the 27th January 1921 and is for a period of ten years determinable thereafter by either party with one year's notice, provides, *inter alia*, for the following important matters—

- (1) All the general banking business of the Government of India is to be carried out by the Imperial Bank.
- (2) The Bank will hold all the Treasury Balances at Headquarters and at

its branches. This involves the abolition of the Reserve Treasury system.

- (3) Within five years the Bank undertakes to open 100 new branches of which the Government of India may determine the location of one in four. The branches and agencies of the three Presidency Banks prior to the date of amalgamation numbered 69, including the Colombo branch of the Bank of Madras. The Bank of Bengal had no branches prior to the proposal to transfer Government business to the Bank in 1861-62 but no less than 18 branches were established before 1868.
- (4) The management of the Public Debt will continue to be conducted by the Bank for specified remuneration.

The Directorate

Managing Governors

{ Sir Osborne A. Smith, Kt., C.I.E.
{ W. L. Lymond, Esq.

Presidents, Vice Presidents and Secretaries of the Local Boards

CALCUTTA—

J. Reid, Kt., Esq.

Rai Bahadur Sir Badridas Goenka, Kt., C.I.E.

B. A. C. Neville, Esq.

President

Vice President

Secretary

BOMBAY—

Sir Purshotamdas Thakurdas, Kt., C.I.E., M.B.E.

E. J. Bunbury, Esq., M.C.

J. G. Ridland, Esq.

President

Vice President

Secretary

MADRAS—

S. V. Ramaswami Mudaliar, Esq.

W. O. Wright, Esq., O.B.E., V.D.

R. A. Gray, Esq., M.C.

President

Vice President

Secretary

CONTROLLER OF THE CURRENCY

J. B. Kelly, Esq., (Offg.)

Nominated by Government

The Hon'ble Sir Dinshaw E. Wacha, Kt., F.R.S., Bombay.

Sir Ryendrar Nith Mookerjee, Kt., F.R.S., C.I.E., Calcutta.

The Hon'ble Rajah Sir S. R. M. Annamalai Chettiar, Kt., Madras.

Sirdar Bahadur Sir Sunder Singh Majithia, Kt., C.I.E., Amritsar.

MANAGING IN LONDON

R. R. Biriell, Esq. (Ag.)

BRANCHES

BURR BAZAR,

Calcutta

Clive Street, Calcutta

Park Street, Calcutta

Byculla, Bombay

Mandvi, Bombay

Sandhurst Road,

Bombay

Mount Road, Madras

Abbottabad

Abohar

Adoni

Agra

Ahmedabad

Ahmedabad City

Ahmednagar

Ajmer

Akola

Akyab

Aligarh

Allahabad

Alleppey

Ambala

Ambala Cant.

Amraoti

Amritsar

Asansol

Bangalore

Bareilly

Bassein

Bellary

Benares

Berhampore (Ganjam)

Bezwada

Bhagalpur

Bhopal

Brach

Bulandshahr

Calicut

Cawnpore

Chandpur

Chapra

Chittagong

Cocanada.

Cochin

Coimbatore

Colombo

Cuddalore

Cuddapah

Cuttack

Dacca

Darbhanga,

Darjeeling

Dehra Dun

Delhi

Dhanbad

Dhula

Dibrugarh.

Ellore

Erode

Etawah

Larrukhabad

Ferozepore,

Fyzabad

Gaya

Godhra

Gorakhpur

Gujranwala

Guntur

Gwallior

Hathras

Howrah

Hubli

Hyderabad (Deccan)

Hyderabad (Sind)

Indore

Jalpur

Jalgaon

Jalpaiguri

Jamshedpur

Jhansi	Moradabad	Ootacamund	Sialkot
Jodhpur	Moulmein	Patna	Simla
Jubbulpore	Multan	Peshawar	Sitapur
Jullundur	Murree	Peshawar City	Srinagar (Kashmir)
Karachi	Mussoorie.	Poonah	Sukkur
Kasur		Poonah City.	Surat
Katni	Muttra	Porbandar	Tellicherry
Khamgaon	Muzaffarnagar	Purnea	Immelvelly
Khandwa	Muzaffarpur	Quetta	Tirupur
Kumbakonam	Myingyan	Rajpur	Trichinopoly
	Mymensingh	Rajahmundry	Trichur
Lahore	Nadiad	Rajkot	Trivandrum
Larkana	Nagpur	Rampur	Tuticorin
Lucknow	Naini Tal	Rangoon	Ujjain
Ludhiana	Nanded	Rawalpindi	Vellore
Ljallpur.		Saharanpur	Vizagapatam
	Nandyal	Salem	Vizianagram
Madura	Narangunge	Sargodha	Wardha
Mandalay	Nasik	Secunderabad	
Mangalore	Negrapatam	Shillong	Yeotmal
Masulipatam	Nellore	Sholapur	
Meerut	New Delhi		
Montgomery	Nowshera		

In Schedule 1, Part 1, of the Act, the various descriptions of business which the Bank may transact are laid down, and in Part 2 it is expressly provided that the Bank shall not transact any kind of banking business other than that sanctioned in Part 1

Briefly stated, the main classes of business sanctioned are —

(1) Advancing money upon the security of —

- Stocks, &c, in which a trustee is authorised by Act to invest trust moneys
- Securities issued by State aided Rail ways, notified by the Governor-General-in Council
- Debentures, or other securities issued under Act, by, or on behalf of, a District Board
- Goods, or documents of title thereto, deposited with, or assigned to the Bank
- Accepted Bills of Exchange or Promissory Notes
- Fully paid shares and debentures of Companies with limited liability or immovable property or documents of title relating thereto, as collateral security where the original security is one of those specified in *a, b, c, d* and, if authorised by the Central Board, in *e*

(2) With the sanction of the Local Government, advancing money to Courts of Wards upon security of estates in their charge

(3) Drawing, accepting, discounting, buying and selling bills of exchange and other negotiable securities payable in India and Ceylon and, subject to the directions of the Governor-General-in Council, the discounting, buying and selling of bills of exchange payable outside India for and from or to such Banks as may be approved

(4) Investing the Banks' funds in the securities referred to in (1) *a, b, c*

(5) Making Bank Post Bills and Letters of credit payable in India and Ceylon

(6) Buying and selling gold and silver

(7) Receiving deposits

(8) Receiving securities for safe custody

(9) Selling such properties as may come into the Bank's possession in satisfaction of claims

(10) Transacting agency business on commission

(11) Acting as Administrator, for winding up estates

(12) Drawing bills of exchange and granting letters of credit payable out of India for the use of principles in connection with (11) and also for private constituents for *bona fide* personal needs

(13) Buying, for the purpose of meeting such bills, &c, bills of exchange payable out of India at any usance not exceeding six months

(14) Borrowing money in India

(15) Borrowing money in England upon security of assets of the Bank, but not otherwise

The principal restrictions placed on the business of the Bank in Part 2 are as follows —

(1) It shall not make any loan or advance —

- For a longer period than six months,
- upon the security of stock or shares of the Bank,
- save in the case of estates specified in Part 1 (Courts of Ward) upon mortgage or security of immovable property or documents of title thereof

(2) The amount which may be advanced to any individual or partnership is limited

(3) Discounts cannot be made or advances on personal security given, unless such discounts or advances carry with them the several responsibilities of at least two persons or firms unconnected with each other in general partnership

The Balance Sheet of the Bank as at 31st December 1931, was as follows —

LIABILITIES	R	s	p	ASSETS	R	s	p
Subscribed Capital	11,25,00,000	0	0	Government Securities	10,10,28,633	1	0
Capital Paid up	1,12,00,000	0	0	Other authorised Securities under the Act	8,67,690	4	8
Reserve	1,22,50,000	0	0	Ways and Means Advances to the Government of India	1,99,00,000	0	0
Public Deposits	6,41,10,571	10	1	Loans	1,10,07,999	5	11
Other Deposits	71,12,77,140	14	1	Cash Credits	15,29,17,800	5	4
Loans against Securities per contra				Inland Bills discounted and purchased	2,00,51,175	7	8
Loans from the Government of India under Section 20 of the Paper Currency Act, against Inland Bills discounted and purchased per contra				Foreign Bills discounted and purchased	2,06,966	1	6
Contingent Liabilities				Bullion	2,55,01,606	0	0
Sundries	88,16,506	2	10	Dead Stock			
				Liability of Constituent for Contingent Liabilities per contra			
				Sundries	97,73,506	14	5
				Balances with other Bank	10,00,961	13	7
				Cash	7,70,28,767	8	1
					18,59,75,840	12	11
Rupees	92,00,01,608	5	0	Rupees	92,00,01,608	5	0

The above Balance Sheet includes—

	£	s	d
Deposits in London	927,003	17	4
Advances and Investments in London	1,12,5,920	6	1
Cash and Balances at other Banks in London	130,850	5	2

Government Deposits

The following statement shows the Government deposits with each Bank at various periods during the last 40 years or so —

In Lakhs of rupees

—	Bank of Bengal	Bank of Bombay	Bank of Madras	Total	—	Bank of Bengal	Bank of Bombay	Bank of Madras	Total
30th June 1881	230	61	53	344	1913	247	167	68	482
1886	320	82	39	450	1914	200	107	93	680
1891	332	97	53	482	1915	263	187	102	552
1896	225	88	57	370	1916	336	263	115	714
1901	187	90	63	340	1917	1338	716	209	2263
1906	186	93	46	325	1918	664	540	213	1426
1911	198	120	77	404	1919	346	208	142	786
1912	210	155	75	440	1920	801	663	170	1634
					20th Jan 1921	364	206	138	708

IMPERIAL BANK

30th June 1921	..	..	2,220
" 1922	..	..	1,672
" 1923	..	..	1,256
" 1924	..	..	2,208
" 1925	..	..	2,252
" 1926	..	..	3,254
" 1927	..	..	1,001
" 1928	..	..	790
" 1929	..	..	2,074
" 1930	..	..	1,391
" 1931	..	..	1,596
" 1932	..	..	1,008
" 1933	..	..	582

Government Deposits

The proportions which Government deposits have borne from time to time to the total Capital Reserve and deposit of the three Banks are shown below —
In Lakhs of Rupees

—	1 Capital	2 Reserve	3 Government deposits	4 Other deposits	Proportion of Government deposits to 1, 2, 3 & 4
1st December					
1901 .. .	360	158	340	1463	14 3 per cent
1906 .. .	360	213	307	2745	8 3 "
1907 .. .	360	279	335	2811	8 8 "
1908 .. .	360	294	325	2861	8 4 "
1909 .. .	360	309	307	3265	7 4 "
1910 .. .	360	318	339	3234	9 7 "
1911 .. .	360	331	438	3419	9 6 "
1912 .. .	375	340	426	3578	9 0 "
1913 .. .	375	361	587	3644	11 8 "
1914 .. .	375	370	561	4002	10 5 "
1915 .. .	375	386	487	3860	9 5 "
1916 .. .	375	369	520	4470	9 0 "
1917 .. .	375	358	771	6771	9 3 "
1918 .. .	375	363	864	5097	12 9 "
1919 .. .	375	340	772	7226	8 8 "
1920 .. .	375	355	901	7725	9 6 "
30th June (Imperial Bank)					
1921 .. .	547	375	2220	7016	21 8 "
1922 .. .	562	371	1672	6336	18 6 "
1923 .. .	562	411	1258	7047	18 5 "
1924 .. .	562	435	2208	7662	20 2 "
1925 .. .	562	457	2252	7588	20 7 "
1926 .. .	562	477	3254	7530	27 4 "
1927 .. .	562	492	1004	7317	10 6 "
1928 .. .	562	507	796	7331	8 6 "
1929 .. .	562	517	2074	7233	19 9 "
1930 .. .	562	527	1391	7003	14 6 "
1931 .. .	562	537	1596	6615	17 1 "
1932 .. .	562	542	1908	6149	20 8 "
1933 .. .	562	520	582	7423	6 4 "

Recent Progress

The following statements show the progress made by the three Banks prior to their amalgamation into the Imperial Bank —

In Lakhs of Rupees
BANK OF BENGAL

—	Capital	Reserve	Govt deposits	Other deposits	Cash	Investments	Dividend for year
31st December							
1900	200	103	155	582	243	136	11 per cent
1905	200	140	167	1204	396	181	12 "
1906	200	150	160	1505	528	149	12 "
1907	200	157	187	1573	480	279	12 "
1908	200	165	178	1575	507	349	13 "
1909	200	170	168	1760	615	411	14 "
1910	200	175	198	1609	514	368	14 "
1911	200	180	270	1677	729	321	14 "
1912	200	185	234	1711	665	310	14 "
1913	200	191	301	1824	840	319	14 "
1914	200	200	287	2160	1169	621	16 "
1915	200	*204	265	1978	785	793	16 "
1916	200	*213	274	2143	772	768	16 "
1917	200	†221	448	2934	1482	773	17 "
1918	200	†189	584	2392	894	779	17 "
1919	200	†200	405	3254	997	864	17 "
1920	200	†210	434	3398	1221	910	19 1/2 "

* Includes Rs 63 lakhs as a reserve for depreciation of investments

† " 87 " " " "

‡ " 25 " " " "

The Balance Sheet of the Bank as at 31st December 1917 was as follows —

LIABILITIES	Rs.	a.	p.	ASSETS	Rs.	a.	p.
Subscribed Capital	11,25,00,000	0	0	Government Securities	16,10,28,933	1	0
Capital Paid up	5,62,00,000	0	0	Other authorised securities under the Act	8,67,694	1	8
Reserve	5,22,50,000	0	0	Ways and Means Advances			
Public Deposits	6,41,10,571	1	10	to the Government of India	1,79,60,000	0	0
Other Deposits	71,12,77,140	14	1	Loans	1,16,07,999	5	11
Loans against Securities per contra				Cash Credits	13,29,17,811	5	1
Loans from the Government of India under Section 20 of the Paper Currency Act against Inland Bills discounted and purchased per contra				Inland Bills discounted and purchased	2,00,51,175	7	8
				Foreign Bills discounted and purchased	2,06,966	1	6
				Bullion			
				Dead Stock	2,19,1,606	9	9
Contingent Liabilities				Liability of Contributors for Contingent Liabilities per contra	97,72,596	14	5
Sundries	88,16,596	2	10	Sundries	11,09,901	13	7
				Balances with other Banks			
				Cash	73,70,28,767	8	1
					18,59,75,810	12	11
Rupees	92,50,04,608	5	0	Rupees	92,50,04,608	5	0

The above Balance Sheet includes—

£ s. d.

Deposits in London

927,007 17 4

Advances and Investments in London

1,330,920 5 1

Cash and Balances at other Banks in London

1,00,550 5 2

Government Deposits

The following statement shows the Government deposits with each Bank at various periods during the last 40 years or so —

In Lakhs of rupees

—	Bank of Bengal	Bank of Bombay	Bank of Madras	Total	—	Bank of Bengal	Bank of Bombay	Bank of Madras	Total
30th June									
1881	230	61	53	344	1913	247	167	68	482
1886	329	82	39	450	1914	290	197	93	580
1891	332	97	53	482	1915	203	187	102	532
1896	225	88	57	370	1916	336	263	115	714
1901	187	90	63	340	1917	1338	716	209	2203
1906	186	93	46	325	1918	664	549	213	1426
1911	198	129	77	404	1919	346	208	112	786
1912	210	155	75	440	1920	801	663	170	1634
					26th Jan 1921	364	206	188	708

IMPERIAL BANK

30th June 1921

1922	2,220
1923	1,672
1924	1,256
1925	2,208
1926	2,252
1927	3,254
1928	1,004
1929	786
1930	2,074
1931	1,391
1932	1,596
1933	1,902
	582

Government Deposits

The proportions which Government deposits have borne from time to time to the total Capital Reserve and deposit of the three Banks are shown below —
In Lakhs of Rupees.

—	1 Capital	2 Reserve	3 Government deposits	4 Other deposits	Proportion of Government deposits to 1, 2, 3 & 4
1st December					
1901 .. .	360	158	340	1463	14 3 per cent
1906	360	213	307	2745	8 3 "
1907 . . .	360	279	335	2811	8 8 "
1908 . . .	360	294	325	2861	8 4 "
1909 . . .	360	309	307	3265	7 4 "
1910 . . .	360	318	339	3234	9 7 "
1911 . . .	360	331	433	3419	9 6 "
1912 . . .	375	340	426	3578	9 0 "
1913 . . .	375	361	587	3644	11 8 "
1914 . . .	375	370	561	4002	10 5 "
1915 .. .	375	386	487	3860	9 5 "
1916 .. .	375	369	520	4470	9 0 "
1917 .. .	375	355	771	6771	9 3 "
1918 .. .	375	363	864	5097	12 0 "
1919 .. .	375	340	772	7226	8 8 "
1920 .. .	375	355	901	7725	9 6 "
30th June (Imperial Bank)					
1921 .. .	547	375	2220	7016	21 8 "
1922 .. .	562	371	1672	6336	18 6 "
1923 .. .	562	411	1256	7047	13 5 "
1924 .. .	562	435	2208	7062	20 2 "
1925 .. .	562	457	2252	7588	20 7 "
1926 .. .	562	477	3254	7530	27 4 "
1927 .. .	562	492	1004	7317	10 6 "
1928 .. .	562	507	796	7331	8 6 "
1929 .. .	562	517	2074	7233	19 9 "
1930 .. .	562	527	1391	7003	14 6 "
1931 .. .	562	537	1596	6615	17 1 "
1932 .. .	562	542	1908	6149	20 8 "
1933 .. .	562	520	582	7423	6 4 "

Recent Progress

The following statements show the progress made by the three Banks prior to their amalgamation into the Imperial Bank —

In Lakhs of Rupees
BANK OF BENGAL

—	Capital	Reserve	Govt deposits	Other deposits	Cash	Investments	Dividend for year
31st December							
1900	200	103	155	582	243	136	11 per cent
1905	200	140	167	1204	396	181	12 "
1906	200	150	160	1505	528	149	12 "
1907	200	157	187	1573	460	279	12 "
1908	200	165	178	1575	507	349	13 "
1909	200	170	168	1760	615	411	14 "
1910	200	175	198	1609	514	368	14 "
1911	200	180	270	1677	729	321	14 "
1912	200	185	234	1711	665	310	14 "
1913	200	191	301	1824	840	319	14 "
1914	200	200	287	2160	1169	621	16 "
1915	200	*204	265	1978	785	793	16 "
1916	200	*213	274	2143	772	768	16 "
1917	200	†221	448	2934	1482	773	17 "
1918	200	†189	584	2392	894	779	17 "
1919	200	†200	405	3254	997	864	17 "
1920	200	†210	434	3398	1221	910	19½ "

* Includes Rs 63 lakhs as a reserve for depreciation of investments

† " 67 " " " "

† " 25 " " " "

BANK OF BOMBAY.

—	Capital	Reserve	Govt deposits	Other deposits	Cash	Investments	Dividend for year
1900	100	70	87	432	129	89	11 per cent
1905	100	87	92	676	259	158	12 "
1906	100	92	101	832	354	177	12 "
1907	100	96	112	821	324	164	13 "
1908	100	101	94	832	377	149	13 "
1909	100	103	120	1035	415	163	13 "
1910	100	105	152	1053	436	149	14 "
1911	100	106	107	1104	463	208	14 "
1912	100	106	117	1124	315	210	14 "
1913	100	106	200	1015	477	232	14 "
1914	100	110	183	1081	646	202	15 "
1915	100	100	136	1079	423	276	15 "
1916	100	90	142	1367	667	312	15 "
1917	100	92	235	2817	1398	744	17½ "
1918	100	101	177	1749	542	353	18½ "
1919	100	110	262	2756	928	315	19½ "
1920	100	120	349	2748	876	298	22 "

BANK OF MADRAS

—	Capital	Reserve	Govt deposits	Other deposits	Cash	Investments	Dividend for year
1900	60	22	35	260	82	67	8 per cent
1905	60	30	41	344	140	71	10 "
1906	60	32	54	355	151	81	10 "
1907	60	36	35	416	162	84	10 "
1908	60	40	52	447	153	84	11 "
1909	60	44	49	500	141	79	12 "
1910	60	48	72	567	184	85	12 "
1911	60	52	59	625	165	104	12 "
1912	75	70	75	743	196	113	12 "
1913	75	73	86	805	219	117	12 "
1914	75	76	91	761	267	134	12 "
1915	75	65	86	803	256	184	12 "
1916	75	55	104	960	286	161	12 "
1917	75	50	87	1020	406	94	12 "
1918	75	50	102	954	271	139	12 "
1919	75	45	104	1215	436	175	12 "
1920	75	45	118	1579	505	211	18 "

IMPERIAL BANK

30th June	Capital	Reserve	Govt deposits	Other deposits	Cash	Investments	Dividend for year
1921	547	371	2220	7016	3433	1652	16 per cent
1922	562	411	1672	6336	3395	900	16 "
1923	562	435	1256	7047	2913	925	16 "
1924	562	457	2208	7662	2195	1175	16 "
1925	562	477	2252	7588	3582	1413	16 "
1926	562	492	3254	7530	4503	2188	16 "
1927	562	507	1004	7317	2283	2050	16 "
1928	562	517	796	7331	1377	2535	16 "
1929	562	527	2074	7233	3041	2409	16 "
1930	562	537	1391	7003	1696	2969	16 "
1931	562	542	1596	6615	1717	3077	14 "
1932	562	515	1908	6149	2201	2979	12 "
1933	562	520	582	7123	2308	3973	12 "

Proposal to Establish the Reserve Bank of India—A Bill to establish a Reserve Bank in India is an essential preliminary to the introduction of the scheme of Reforms to give India a Federal Government has been passed by the Legislative Assembly and Council of State and received the assent of the Governor-General on March 6th, 1934. The proposals embodied in the Bill are given below—

The Bank shall be constituted for the purpose of taking over the management of the currency from the Governor-General in Council and of carrying on the business of banking in accordance with the provisions of the Act

The original share capital of the Bank shall be five crores of rupees divided into shares of Rs 100 each, which shall be fully paid up. The maximum number of votes any one shareholder shall have is 10, every five shares carrying the right of one vote. The number of share registers shall be fixed at five to be maintained at Bombay, Calcutta, Delhi, Madras and Rangoon and the nominal value of the shares assigned to each centre has been fixed at Rs 140 lacs for Bombay, Rs 145 lacs for Calcutta, Rs 115 lacs for Delhi, Rs 70 lacs for Madras and Rs 30 lacs for Rangoon.

Management—The general superintendence and direction of the affairs and business of the Bank will be entrusted to a Central Board of Directors which shall exercise all powers and do all acts and things which may be exercised and done by the Bank. The Board shall be composed of—

(a) A Governor and two Deputy Governors to be appointed by the Governor-General in Council after consideration of the recommendations made by the Board

(b) Four Directors to be nominated by the Governor-General in Council

(c) Eight Directors to be elected on behalf of the shareholders on the various registers

(d) One Government official to be nominated by the Governor-General in Council

The Governor and Deputy Governors shall be the executive heads, and shall hold office for such term not exceeding five years as the Governor-General in Council may fix when appointing them, and shall be eligible for re-appointment. A Local Board shall be constituted for each of the five areas

Business which the Bank may transact—

The Bank shall be authorised to carry on and transact the following commercial business, viz.—The accepting of money on deposit without interest, the purchase, sale and rediscount of bills of exchange and promissory notes with certain restrictions, the making of loans and advances, repayable on demand but not exceeding 90 days, against the security of stocks, funds and securities (other than immovable property) against gold coin or bullion or documents of title to the same and such bills of exchange and promissory notes as are eligible for purchase or rediscount by the Bank, the purchase from and sale to scheduled Banks of sterling in amounts of not less than the equivalent of Rs 1 lacs, the making of advances to the Governor-General in Council and to Local Governments repayable in each case not later than three months from the date of making the advance, the purchase and sale of Government securities of the United Kingdom maturing within ten years from the date of purchase, the purchase and sale of securities of the Government of India or of a Local Government of any maturity or of a local authority in British India or of certain States in India which may be specified

The Bank shall act as Agent for the Secretary of State in Council, the Governor-General in Council or any Local Government or State in India for the purchase and sale of gold and silver for the purchase, sale, transfer and custody of bills of exchange, securities or shares for the collection of the proceeds, whether principal interest or dividends, of any securities or shares for the remittance of such proceeds by bill of exchange payable either in India or elsewhere, and for the management of public debt

Right to issue Bank Notes—The Bank shall have the sole right to issue bank notes in British India and at the commencement shall issue currency notes of the Government of India supplied to it by the Governor-General in Council and on and from the date of such transfer the Governor-General in Council shall

not issue any currency notes. The issue of bank notes shall be conducted by the Bank in an Issue Department which shall be separated and kept wholly distinct from the Banking Department

In addition to the note issue obligation the Bank shall undertake to accept monies for account of the Secretary of State in Council, the Governor-General in Council and of Local Governments and shall carry out their exchange, remittance and other banking operations including the management of the public debt on such conditions as may be agreed upon

Obligation to Sell or Buy Sterling—The Bank shall sell to or buy from any person who makes a demand in that behalf at its office in Bombay, Calcutta, Delhi, Madras or Rangoon, sterling for immediate delivery in London at a rate not lower than 1s 5 49/64d and not higher than 1s 6 3/16d respectively provided that no person shall be entitled to demand to buy or sell an amount of sterling less than ten thousand pounds. Every Scheduled bank shall maintain with the Reserve Bank a balance of not less than 5 per cent of their demand and 2 per cent of their time liabilities

Agreement with the Imperial Bank—The Bank shall enter into an agreement with the Imperial Bank of India which shall be subject to the approval of the Governor-General in Council and will remain in force for 15 years and thereafter until five years' notice on either side. Provisions to be contained in the agreement between the Reserve Bank of India and the Imperial Bank of India are—

The Imperial Bank of India shall be the sole agent of the Reserve Bank of India at all places in British India where there is a branch of the Imperial Bank of India which was in existence at the commencement of the Reserve Bank of India Act and where there is no branch of the Banking Department of the Reserve Bank of India

In consideration of the performance of the Agency duties, the Reserve Bank of India shall pay the Imperial Bank of India as remuneration a sum which shall be for the first ten years during which this agreement is in force a commission calculated at 1/16 per cent on the first 250 crores and 1/32 per cent on the remainder of the total of the receipts and disbursements dealt with annually on account of Government. As for the remaining five years the remuneration to be paid to the Imperial Bank shall be determined on the basis of the actual cost to the Imperial Bank of India as ascertained by expert accounting investigation

In consideration of the maintenance by the Imperial Bank of India of branches not less in number than those existing at the commencement of the Reserve Bank of India Act, the Reserve Bank of India shall until the expiry of 15 years, make to the Imperial Bank the following payments—

(a) during the first five years of this agreement Rs 9,00,000 per annum, (b) during the next five years of the agreement Rs 6,00,000 per annum and (c) during the next five years of the agreement Rs 4,00,000 per annum

Allocation of Surplus—The Governor-General in Council shall transfer to the Bank rupee securities of the value of Rs five crores to be allocated by the Bank to Reserve Fund

After making the necessary and usual provisions out of profits, a cumulative dividend at such rate not exceeding five per cent per annum on the share capital as the Governor-General in Council may fix at the time of the issue of the shares shall be paid and the surplus shall be allocated to the payment of an additional dividend to the shareholders calculated on the scales prescribed in the Act and the balance of the surplus shall be paid to the Governor-General in Council.

Provided that so long as the Reserve Fund is less than the share capital, not less than fifty lacs of rupees of the surplus or the whole

of the surplus if less than that amount shall be allocated to the Reserve Fund.

Publication of the Bank Rate—The Bank shall make public from time to time the standard rate at which it is prepared to buy or re-discount bills of exchange or other commercial paper eligible for purchase under the Act.

The Bank will publish the accounts of both the Issue and Banking Departments weekly in the *Gazette of India*.

The Bank shall create an Agricultural Credit Department.

The full text of the Reserve Bank Act is reproduced elsewhere in the year Book.

THE EXCHANGE BANKS

The Banks carrying on Exchange business in India are merely branch agencies of Banks having their head offices in London, on the continent, or in the Far East and the United States. Originally their business was confined almost exclusively to the financing of the external trade of India, but in recent years most of them, while continuing to finance this part of India's trade, have also taken an active part in the financing of the internal portion also at the places where their branches are situated.

At one time the Banks carried on their operations in India almost entirely with money borrowed elsewhere, principally in London—the home offices of the Banks attracting deposits for use in India by offering rates of interest much higher than the English Banks were able to quote. Within recent years however it has been discovered that it is possible to attract deposits in India on quite as favourable terms as can be done in London and a very large proportion of the financing done by the Exchange Banks is now carried through by means of money actually borrowed in India. No information is available as to how far each Bank has secured deposits in India, but the following statement published by the Director General of Statistics in India shows how rapidly such deposits have grown in the aggregate within recent years.

TOTAL DEPOSITS OF ALL EXCHANGE BANKS SECURED IN INDIA *In Lacs of Rupees*

1900	1050
1905	1704
1910	2479
1911	2816
1912	2953
1913	3103
1914	3014
1915	3354
1916	3803
1917	5337
1918	6185
1919	7435
1920	7480
1921	7519
1922	7338
1923	6844
1924	7063
1925	7054
1926	7154
1927	6886
1928	7113
1929	6665
1930	6811
1931	6747

Exchange Banks' Investments

Turning now to the question of the investment of the Banks' resources, so far as it concerns India, this to a great extent consists of the purchase of bills drawn against imports and exports to and from India.

The financing of the import trade originated and is carried through however for the most part by Branches outside India, the Indian Branches' share in the business consisting principally in collecting the amount of the bills at maturity and in furnishing their other branches with information as to the means and standing of the drawees of the bills, and it is as regards the export business that the Indian Branches are more immediately concerned. The Exchange Banks have practically a monopoly of the export finance in India and in view of the dimensions of the trade which has to be dealt with the Banks would under ordinary circumstances require to utilise a very large proportion of their resources in carrying through the business. They are able however by a system of rediscount in London to limit the employment of their own resources to a comparatively small figure in relation to the business they actually put through. No definite information can be secured as to the extent to which rediscounting in London is carried on but the following figures appearing in the balance sheets dated 31st December 1932 of the undernoted Banks will give some idea of this.

LIABILITY ON BILLS OF EXCHANGE RE- DISCOUNTED AND STILL CURRENT

	£
Chartered Bank of India, Australia and China	2,110,000
Eastern Bank, Ltd	325,000
Hongkong and Shanghai Banking Corporation	2,105,000
Mercantile Bank of India, Ltd	1,081,000
National Bank of India, Ltd	3,213,000
P & O Banking Corporation, Ltd	1,301,000
	<hr/> 10,195,000

The above figures do not of course relate to re-discounts of Indian bills alone, as the Banks operate in other parts of the world also, but it may safely be inferred that bills drawn in India form a very large proportion of the whole.

The bills against exports are largely drawn at three months' sight and may either be 'clean' or be accompanied by the documents relating to the goods in respect of which they are drawn. Most of them are drawn on well-known firms at home or against credits opened by Banks or financial houses in England and bearing as they do an Exchange Bank endorsement they are readily taken up by the discount houses and Banks in London. Any bills purchased in India are sent home by the first possible Mail so that presuming they are rediscounted as soon as they reach London the Exchange Banks are able to secure the return of their money in about 16 or 17 days instead of having to wait for three months which would be the case if they were unable to rediscount. It must not be assumed however that all bills are rediscounted as soon as they reach London as at times it suits the Banks to hold up the bills in anticipation of a fall in the London discount rate while on occasions also the Banks prefer to hold the bills on their own account as an investment until maturity.

The Banks place themselves in funds in India for the purpose of purchasing export bills in a variety of ways of which the following are the principal —

- (1) Proceeds of import bills as they mature
- (2) Sale of drafts and telegraphic transfers payable in London and elsewhere out of India
- (3) Purchase of Council Bills and Telegraphic Transfers payable in India from the Secretary of State
- (4) Imports of bar gold and silver bullion
- (5) Imports of sovereigns from London, Egypt or Australia

The remaining business transacted by the Banks in India is of the usual nature and need not be given in detail.

An interesting event in Indian Banking history is the recent entry in the Banking field here of one of the English 'Big Five'. This has been brought about by the acquisition of the business of Cox & Co. by Lloyds Bank.

The following is a statement of the position of the various Exchange Banks carrying on business in India as at 31st December 1931 —

In Thousands of £

Name	Capital	Reserve	Deposits	Cash and Investments
Bank of Taiwan, Ltd	772	138	15,091	6,176
Chartered Bank of India, Australia and China	3,000	3,000	43,632	26,079
Comptoir National D Escompte de Paris	4,705	5,128	107,098	18,303
Eastern Bank, Ltd	1,000	500	6,007	5,696
Hongkong and Shanghai Banking Corporation	1,250	7,125	58,227	30,817
Imperial Bank of Persia	650	710	2,730	4,695
Lloyds Bank, Ltd	15,810	8,000	382,102	241,245
Mercantile Bank of India, Ltd	1,050	1,075	13,034	8,093
Mitsui Bank, Ltd	3,529	3,164	40,997	22,693
National Bank of India, Ltd	2,000	2,200	30,113	18,138
National City Bank of New York	27,200	22,800	89,811	255,880
Netherlands Trading Society	9,700	2,120	10,000	21,998
Netherlands India Commercial Bank	6,666	3,114	12,171	10,023
P & O Banking Corporation, Ltd	2,594	180	7,071	9,371
Yokohama Specie Bank, Ltd	5,882	7,152	55,214	25,811

JOINT STOCK BANKS

Previous to 1906 there were few Banks of this description operating in India, and such as were then in existence were of comparatively small importance and had their business confined to a very restricted area. The rapid development of this class of Bank, which has been so marked a feature in Banking within recent years, really had its origin in Bombay and set in with the establishment of the Bank of India and the Indian Specie Bank in 1906. After that time there was a perfect stream of new flotations, and although many of the new Companies confined themselves to legitimate banking business, on the other hand a very large number engaged in other businesses in addition and can hardly be properly classed as Banks.

These Banks made very great strides during the first few years of their existence, but it was generally suspected in well informed circles that the business of many of the Banks was of a very speculative and unsafe character and it was a matter of no great surprise to many people when it became known that some of the Banks were in difficulties.

The first important failure to take place was that of the People's Bank of India and the loss of confidence caused by the failure of that Bank resulted in a very large number of other failures, the principal being that of the Indian Specie Bank.

Since those events of ten years ago confidence has been largely restored. But in April 1923 the Alliance Bank of Sumra suspended payment and is now in voluntary liquidation. The effect of the failure of this old established Bank might have been disastrous but for the prompt action of the Imperial Bank which dealt with the situation in close association with the Government of India. The Imperial Bank undertook to pay the depositors of the Alliance Bank 50 per cent of the amounts due to them. A panic was averted and a critical period was passed through with little difficulty.

During 1923 the Tata Industrial Bank, which was established in 1918, was merged in the Central Bank of India.

The following shows the position of the better known existing Banks as it appears in the latest available Balance Sheets —

In Lakhs of Rupees

Name	Capital	Reserve	Deposits	Cash and Investments
Allahabad Bank, Ltd, affiliated to P & O Banking Corporation Ltd	35	44	1,081	706
Bank of Baroda, Ltd	30	21	539	111
Bank of India, Ltd	100	109	1,419	1,070
Bank of Mysore, Ltd	20	20	193	93
Central Bank of India, Ltd	168	70	2,222	1,686
Indian Bank, Ltd (Madras)	12	15	172	22
Punjab National Bank, Ltd	31	17	455	201
Union Bank of India, Ltd	39	7	58	68

Growth of Joint Stock Banks

The following figures appearing in the Report of the Director-General of Statistics show the growth of the Capital, Reserve and Deposits of the principal Joint Stock Banks registered in India —

In Lakhs of rupees				Capital	Reserve	Deposits
Year	Capital	Reserve	Deposits	1912	1913	1914
1875	14	2	27	291	134	2725
1880	18	3	63	231	132	2259
1885	18	5	94	251	141	1710
1890	33	17	270	281	156	1787
1895	63	31	566	287	173	2471
1900	82	45	807	303	162	3117
1906	133	56	1155	436	165	4059
1907	229	63	1400	539	224	5899
1908	239	69	1626	837	255	7114
1909	266	97	2040	938	300	7689
1910	275	100	2565	802	261	6163
1911	285	126	2520	689	284	4442
				690	380	6250
				673	386	5449
				676	408	5058
				688	419	6081
				674	434	6285
				786	366	6372
				711	440	6321
				777	426	6223

LONDON OFFICES, AGENTS OR CORRESPONDENTS OF BANKS AND FIRMS (DOING BANKING BUSINESS) IN INDIA

Name of Bank	London Office—Agents or Correspondents	Address
Imperial Bank of India	London Office	25, Old Broad Street, E C 2
<i>Other Banks & Kindred Firms</i>		
Allahabad Bank	{ National Provincial Bank P & O Banking Corpn	2 Princess Street, E C 2 117-122, Leadenhall Street, E C 3
Bank of India		Bartholomew Lane, E C 2
Central Bank of India	{ Barclay's Bank Midland Bank	168, Fenchurch Street, L C 3 5, Threadneedle Street, E C 2
Grindley & Co		34, Parliament Street S W 1
Karnani Industrial Bank	Barclay's Bank	168, Fenchurch Street, L C 3
Punjab National Bank	Midland Bank	5, Threadneedle St, E C 2
Simla Banking & Industrial Co	Ditto	Ditto
Union Bank of India	Westminster Bank	Bartholomew Lane, E C 2
<i>Exchange Banks</i>		
American Express Co, (Inc)	London Office	79, Bishopsgate, E C 2
Banco Nacional Ultramarino	Anglo Portuguese Colonial and Overseas Bank	9, Bishopsgate, E C 2
Bank of Taiwan	London Office	Gresham House, 40-41, Old Broad Street, E C 2
Chartered Bank of India, Australia and China	Ditto	38, Bishopsgate, E C 2
Comptoir National d'Escompte de Paris	Ditto	8-13, King William Street, E C 4
Eastern Bank	Ditto	2-3, Crosby Sq, E C 3
Hongkong & Shanghai Banking Corporation	Ditto	9, Gracechurch St, E C 3
Imperial Bank of Persia	Ditto	33-36, King William Street, L C 4
Lloyds Bank	Ditto	71, Lombard Street E C 3
Mercantile Bank of India	Ditto	15, Gracechurch St, E C 3
Mitsui Bank, Ltd	Ditto	100, Old Broad St, E C 2
National Bank of India	Ditto	26, Bishopsgate, E C 2
National City Bank of New York	Ditto	36, Bishopsgate, E C 2
Nederlandsche Handel-Maatschappij	National Provincial Bank	2, Princess Street, E C 2
Nederlandsche Indische Handelsbank	London Representative	Stone House, Bishopsgate, E C 2
P & O Banking Corporation	London Office	117-122, Leadenhall Street L C 3
Thomas Cook & Son	Ditto	Bartholomew Street, Piccadilly
Yokohama Specie Bank	Ditto	7, Bishopsgate, E C 2

BANKERS' CLEARING HOUSES

The principal Clearing Houses in India are those of Calcutta, Bombay, Madras, Rangoon, Colombo and Karachi, and of these the first two are by far the most important. The members at these places consist of the Imperial Bank, most of the Exchange Banks and English Banking Agency firms, and a few of the better known of the local Joint Stock Banks. No Bank is entitled to claim to be a member as of right and any application for admission to a Clearing must be proposed and seconded by two members and be subject thereafter to ballot by the existing members.

The duties of settling Bank are undertaken by the Imperial Bank at each of the places mentioned and a representative of each member attends at the office of that Bank on each business day at the time fixed to deliver all cheques he may have negotiated on other members

and to receive in exchange all cheques drawn on him negotiated by the latter. After all the cheques have been received and delivered the representative of each Bank advises the settling Bank of the difference between his total receipts and deliveries and the settling Bank thereafter strikes a final balance to satisfy itself that the totals of the debtor balances agrees with the total of the creditor balances. The debtor Banks thereafter arrange to pay the amounts due by them to the settling Bank during the course of the day and the latter in turn arranges to pay on receipt of those amounts the balances due to the creditor Banks. In practice however all the members keep Bank accounts with the settling Bank so that the final balances are settled by cheques and book entries thus doing away with the necessity for cash in any form.

The figures for the Clearing Houses in India above referred to are given below —

Total amount of Cheques Cleared Annually

In lakhs of Rupees

—	Calcutta	Bombay	Madras	Rangoon	Colombo	Karachi	Total
1911	Not available	6511	1338	Not available	.	175	8527
1902		7013	1295			268	8576
1903		8762	1464			310	10566
1904		9492	1536		.	365	11393
1905		17927	1560		.	324	12811
1906		10912	1583	.		400	12895
1907	22444	12645	1548	.		530	37167
1908	21281	12585	1754			643	39263
1909	19776	14375	1948			702	36801
1910	22238	13652	2117	4765		755	46527
1911	25763	17605	2083	5399		762	51612
1912	28831	20831	1152	6043		1159	58016
1913	33133	21800	2340	6198		1219	64780
1914	28031	17696	2127	4389		1315	54158
1915	32266	16462	1887	4069		1352	56036
1916	48017	24051	2495	4853		1503	80919
1917	47193	33655	2339	4966		2023	90181
1918	74397	53362	2528	6927		2429	139643
1919	90241	76250	3004	8837		2266	185598
1920	153388	126353	7500	10779		3120	301140
1921	91672	89788	3847	11875		3579	200711
1922	94426	86683	4279	12220	9081	3234	210523
1923	89148	75015	4722	11094	11940	4061	195983
1924	92249	65250	5546	11555	13134	4515	192249
1925	101883	51944	5716	12493	14978	4119	191083
1926	95944	42066	5688	12511	16033	3166	175108
1927	102392	39826	5629	12609	15997	3037	179510
1928	108819	51308	6540	12035	15446	2945	200093
1929	99765	79968	5877	12160	15429	2718	215917
1930	89813	71205	5218	11483	12093	2550	191862
1931	75627	63982	4461	8156	8852	2319	163397
1932	74650	64637	4722	7595	7456	2319	161579
1933	82368	61552	5159	5807	7220	2563	167669

TABLE OF WAGES, INCOME, &c

Showing the amount for one or more days at the rates of 1 to 18 Rupees per Month of 31 Days

Rupees	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Days	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p	Rs a p
1	0 0 60	1 0 00	1 60	2 00	2 60	3 10	3 70	4 10	4 70	5 10	5 80	6 20	6 80	7 30	7 90	8 30
2	0 1 00	2 00	3 10	4 10	5 10	6 20	7 20	8 30	9 30	10 30	11 40	12 40	13 50	14 50	15 60	16 60
3	0 1 60	3 10	4 70	6 20	7 80	9 30	10 80	12 30	13 80	15 30	16 80	18 30	19 80	21 30	22 80	24 30
4	0 2 00	4 10	6 20	8 30	10 30	12 40	14 50	16 50	19 00	21 10	23 20	25 30	27 40	29 50	31 60	33 60
5	0 2 60	5 10	7 80	10 30	12 40	15 50	18 00	20 10	22 20	24 30	26 40	28 50	31 00	33 10	35 20	37 30
6	0 3 10	6 20	9 30	12 40	15 50	18 00	20 10	22 20	24 30	26 40	28 50	31 00	33 10	35 20	37 30	39 40
7	0 3 70	7 30	10 40	13 50	17 00	19 10	21 20	23 30	25 40	27 50	29 60	31 70	33 80	35 90	38 00	40 10
8	0 4 10	8 30	12 40	16 50	20 00	22 10	24 20	26 30	28 40	30 50	32 60	34 70	36 80	38 90	41 00	43 10
9	0 4 70	9 30	13 10	17 20	21 30	23 40	25 50	28 00	30 10	32 20	34 30	36 40	38 50	40 60	42 70	44 80
10	0 5 10	10 30	15 50	20 00	24 10	26 20	28 30	30 40	32 50	35 00	37 10	39 20	41 30	43 40	45 50	47 60
11	0 5 80	11 40	1 1 00	1 6 80	2 1 12	2 6 24	3 1 36	3 6 48	4 1 60	4 6 72	5 1 84	5 6 96	6 1 108	6 6 120	7 1 132	7 6 144
12	0 6 20	12 50	1 2 60	1 8 90	2 3 12	2 8 24	3 3 36	3 8 48	4 3 60	4 8 72	5 3 84	5 8 96	6 3 108	6 8 120	7 3 132	7 8 144
13	0 6 80	13 50	1 3 40	1 9 70	2 4 00	2 9 12	3 4 24	3 9 36	4 4 48	4 9 60	5 4 72	5 9 84	6 4 96	6 9 108	7 4 120	7 9 132
14	0 7 20	14 50	1 4 20	1 10 50	2 5 00	3 0 12	3 5 24	4 0 36	4 5 48	5 0 60	5 5 72	6 0 84	6 5 96	7 0 108	7 5 120	8 0 132
15	0 7 80	15 50	1 5 00	1 11 30	2 6 00	3 1 12	3 6 24	4 1 36	4 6 48	5 1 60	5 6 72	6 1 84	6 6 96	7 1 108	7 6 120	8 1 132
16	0 8 30	1 1 00	1 5 80	2 1 10	2 6 20	3 1 30	3 6 40	4 1 50	4 6 60	5 1 70	5 6 80	6 1 90	6 6 100	7 1 110	7 6 120	8 1 130
17	0 8 90	1 1 60	2 1 70	2 1 70	2 7 00	3 2 10	3 7 20	4 2 30	4 7 40	5 2 50	5 7 60	6 2 70	6 7 80	7 2 90	7 7 100	8 2 110
18	0 9 30	2 1 10	2 2 10	2 2 10	2 8 00	3 3 10	3 8 20	4 3 30	4 8 40	5 3 50	5 8 60	6 3 70	6 8 80	7 3 90	7 8 100	8 3 110
19	0 9 90	2 1 70	2 2 70	2 2 70	2 8 60	3 3 70	3 8 80	4 3 90	4 8 100	5 3 110	5 8 120	6 3 130	6 8 140	7 3 150	7 8 160	8 3 170
20	1 0 30	3 1 40	2 3 10	2 3 10	2 9 00	3 4 10	3 9 20	4 4 30	4 9 40	5 4 50	5 9 60	6 4 70	6 9 80	7 4 90	7 9 100	8 4 110
21	1 0 90	3 1 00	2 3 70	2 3 70	2 9 60	3 4 70	3 9 80	4 4 90	4 9 100	5 4 110	5 9 120	6 4 130	6 9 140	7 4 150	7 9 160	8 4 170
22	1 1 30	4 1 00	2 4 10	2 4 10	3 0 00	3 5 10	4 0 20	4 5 30	5 0 40	5 5 50	6 0 60	6 5 70	7 0 80	7 5 90	8 0 100	8 5 110
23	1 1 90	4 1 60	2 4 70	2 4 70	3 0 60	3 5 70	4 0 80	4 5 90	5 0 100	5 5 110	6 0 120	6 5 130	7 0 140	7 5 150	8 0 160	8 5 170
24	1 2 30	5 1 00	2 5 10	2 5 10	3 1 00	3 6 10	4 1 20	4 6 30	5 1 40	5 6 50	6 1 60	6 6 70	7 1 80	7 6 90	8 1 100	8 6 110
25	1 2 90	5 1 60	2 5 70	2 5 70	3 1 60	3 6 70	4 1 80	4 6 90	5 1 100	5 6 110	6 1 120	6 6 130	7 1 140	7 6 150	8 1 160	8 6 170
26	1 3 30	6 1 00	2 6 10	2 6 10	3 2 00	3 7 10	4 2 20	4 7 30	5 2 40	5 7 50	6 2 60	6 7 70	7 2 80	7 7 90	8 2 100	8 7 110
27	1 3 90	6 1 60	2 6 70	2 6 70	3 2 60	3 7 70	4 2 80	4 7 90	5 2 100	5 7 110	6 2 120	6 7 130	7 2 140	7 7 150	8 2 160	8 7 170
28	1 4 30	7 1 00	2 7 10	2 7 10	3 3 00	3 8 10	4 3 20	4 8 30	5 3 40	5 8 50	6 3 60	6 8 70	7 3 80	7 8 90	8 3 100	8 8 110
29	1 4 90	7 1 60	2 7 70	2 7 70	3 3 60	3 8 70	4 3 80	4 8 90	5 3 100	5 8 110	6 3 120	6 8 130	7 3 140	7 8 150	8 3 160	8 8 170
30	1 5 30	8 1 00	2 8 10	2 8 10	3 4 00	3 9 10	4 4 20	4 9 30	5 4 40	5 9 50	6 4 60	6 9 70	7 4 80	7 9 90	8 4 100	8 9 110
31	1 5 90	8 1 60	2 8 70	2 8 70	3 4 60	3 9 70	4 4 80	4 9 90	5 4 100	5 9 110	6 4 120	6 9 130	7 4 140	7 9 150	8 4 160	8 9 170

The Railways.

The history of Indian Railways very closely reflects the financial vicissitudes of the country. Not for some time after the establishment of Railways in England was their construction in India contemplated, and then to test their applicability to Eastern conditions three experimental lines were sanctioned in 1845. These were from Calcutta to Raniganj (120 miles), the East Indian Railway, Bombay to Kalyan (31 miles), Great Indian Peninsula Railway, and Madras to Arkonam (39 miles), Madras Railway Indian Railway building on a serious scale dates from Lord Dalhousie's great minute of 1853, wherein after dwelling upon the great social, political and commercial advantages of connecting the chief cities by rail, he suggested a great scheme of trunk lines linking the Presidencies with each other and the inland regions with the principal ports. This reasoning commended itself to the Directors of the East India Company, and it was powerfully reinforced when, during the Mutiny, the barriers imposed on free communication were severely felt. As there was no private capital in India available for railway construction, English Companies, the interest on whose capital was guaranteed by the State, were formed for the purpose. By the end of 1859 contracts had been entered into with eight companies for the construction of 5,000 miles of line, involving a guaranteed capital of £52 millions. These companies were (1) the East Indian, (2) the Great Indian Peninsula, (3) the Madras, (4) the Bombay, Baroda and Central India, (5) the Eastern Bengal, (6) the Indian Branch, later the Oudh and Rohilkund State Railway and now part of the East Indian Railway, (7) the Sind, Punjab and Delhi, now merged in the North Western State Railway, (8) the Great Southern of India, now the South Indian Railway. The scheme laid the foundations of the Indian Railway system as it exists to day.

Early Disappointments

The main principle in the formation of these companies was a Government guarantee on their capital, for this was the only condition on which investors would come forward. This guarantee was five per cent coupled with the free grant of all the land required, in return the companies were required to share the surplus profits with the Government, after the guaranteed interest had been met. The interest charges were calculated at 22½ to the rupee, the Railways were to be sold to Government on fixed terms at the close of twenty-five years and the Government were to exercise close control over expenditure and working. The early results were disappointing. Whilst the Railways greatly increased the efficiency of the administration, the mobility of the troops, the trade of the country, and the movement of the population, they failed to make profits sufficient to meet the guaranteed interest. Some critics attributed this to the unnecessarily high standard of construction adopted, and to the engineers' ignorance of local conditions, the result was that by 1869 the deficit on the Railway budget was Rs 166 lakhs. Seeking for some more economical

method of construction, the Government secured sanction to the building of lines by direct State Agency, and funds were allotted for the purpose, the metre-gauge being adopted for cheapness. Funds soon lapsed and the money available had to be diverted to converting the Sind and Punjab lines from metre to broad-gauge for strategic reasons. Government had therefore again to resort to the system of guarantee, and the Indian Midland (1882-85), since absorbed by the Great Indian Peninsula, the Bengal-Nagpur (1883-87), the Southern Mahratta (1882) and the Assam Bengal (1891) were constructed under guarantees, but on easier terms than the first companies. Their total length was over 4,000 miles.

Famine and Frontiers

In 1879, embarrassed by famine and by the fall of the exchange value of the rupee, Government again endeavoured to enlist unaided private enterprise. Four companies were promoted—the Nilgiri, the Delhi-Umballa-Kalka, the Bengal Central, and the Bengal North-Western. The first became bankrupt, the second and third received guarantees, and the Tirhut Railway had to be leased to the fourth. A step of even greater importance was taken when Native States were invited to undertake construction in their own territories, and the Nizam's Government guaranteed the interest on 330 miles of line in the State of Hyderabad. This was the first of the large system of Native State Railways. In the first period up to 1870, 4,255 miles were opened, of which all save 45 were on the broad-gauge, during the next ten years there were opened 4,239, making the total 8,494 (on the broad gauge 6,562, the metre 1,865, and narrow 67). Then ensued a period of financial ease. It was broken by the fall in exchange and the costly lines built on the frontier. The Penjdeh incident, which brought Great Britain and Russia to the verge of war, necessitated the connection of our outposts at Quetta and Chaman with the main trunk lines. The sections through the desolate Harnai and Bolan Passes were enormously costly, it is said that they might have been ballasted with rupees, the long tunnel under the Khojak Pass added largely to this necessary, but unprofitable, outlay.

Rebate Terms Established

This induced the fourth period—the system of rebates. Instead of a gold subsidy, companies were offered a rebate on the gross earnings of the traffic interchanged with the main line so that the dividend might rise to four per cent but the rebate was limited to 20 per cent of the gross earnings. Under these conditions, there were promoted the Ahmedabad-Prantaj, the South Behar, and the Southern Punjab, although only in the case of the first were the terms strictly adhered to. The Barsi Light Railway, on the two feet six inches gauge, entered the field without any guarantee, and with rolling stock designed to illustrate the carrying power of this gauge. The rebate terms being found unattractive in view of the competition of 4 per cent trustee stocks, they were revised in 1896 to provide for an

absolute guarantee of 3 per cent with a share of surplus profits, or rebate up to the full extent of the main line's net earnings in supplement of their own net earnings, the total being limited to $3\frac{1}{2}$ per cent on the capital outlay. Under these terms, a considerable number of feeder line companies was promoted, though in none were the conditions arbitrarily exacted. As these terms did not at first attain their purpose, they were further revised, and in lieu was substituted an increase in the rate of guarantee from 3 to $3\frac{1}{2}$ per cent and of rebate from $3\frac{1}{2}$ to 5 per cent with equal division of surplus profits over 5 per cent in both cases. At last, the requirements of the market were met, and there was for a time a mild boom in feeder railway construction and the stock of all the sound companies promoted stood at a substantial premium. Conditions changed after the war and the Acworth Committee so far from approving of this system, considered that the aim of the Government should be to reduce by amalgamation the number of existing companies and that it should only be in cases where the State cannot or will not provide adequate funds that private enterprise in this direction should be encouraged.

The existing Branch Line Companies have ceased for some time to raise additional capital for capital requirements. They have either obtained overdrafts from various Banks for this purpose at heavy rates of interest or issued debentures at special rates of interest (usually about 7 per cent) or in several cases asked for money to be advanced to them by the Railway Board. So far, therefore, from reducing the amount that the Government of India have to raise in the open market, they were increasing the amount. For the above reasons, the Government of India have abolished this system and are now prepared themselves to find the capital required for the construction of extensions or branches to existing main line systems. They have also announced their readiness to consider the question of constructing branch or feeder lines which were not expected to be remunerative from the point of view of railway earnings upon a guarantee against loss from a Local Government or local authority which might desire to have such lines constructed for purely local reasons or on account of administrative advantages likely to accrue in particular areas. This proposal was put forward as affording a suitable method of reconciling the interests of the Central and the Local Governments and of providing for local bodies and for Local Governments a method of securing the construction of railways which may be required for purely local reasons and which, while not likely to prove remunerative on purely railway earnings, are likely to give such benefits to Local Governments and local bodies as will more than repay the amounts paid under the guarantee. Some such arrangements have already been made with Local Governments in Madras, Punjab, Burma and Bombay.

Railway Profits begin

Meantime a much more important change was in progress. The gradual economic development of the country vastly increased the traffic, both passenger and goods. The falling in of the original contracts allowed Gov-

ernment to renew them on more favourable terms. The development of irrigation in the Punjab and Sind transformed the North-Western State Railway. Owing to the burden of maintaining the unprofitable Frontier lines, this was the Cinderella Railway in India—the scapegoat of the critics who protested against the unwisdom of constructing railways from borrowed capital. But with the completion of the Chenab and Jhelum Canals, the North-Western became one of the great grain lines of the world, choked with traffic at certain seasons of the year and making a large profit for the State. In 1906 the railways for the first time showed a small gain to the State. In succeeding years the net receipts grew rapidly. In the four years ended 1907-08 they averaged close upon £2 millions a year. In the following year there was a relapse. Bad harvests in India, accompanied by the monetary panic caused by the American financial crisis, led to a great falling off in receipts just when working expenses were rising, owing to the general increase in prices. Instead of a profit there was a deficit of £1,240,000 in the railway accounts for 1908-09. But in the following year there was a reversion to a profit, and the net Railway gain has steadily increased. For the year ended March 1910 this gain amounted to £10,573,000. Although in a country like India, where the finances are mainly dependent upon the character of the monsoon, the railway revenue must fluctuate, there was no reason to anticipate a further deficit, but the net railway gain decreased to £3,767,000 in 1920-21 and there was an actual loss of £6,182,000 in 1921-22. As a result of the steps taken by the Railway Board, however, on the report of the Acworth Committee in 1921, this loss was changed into a gain of £813,000 in 1922-23.

The results in succeeding years will be seen from the following statements—

	Contribution to General Revenues	Railway Reserve Fund	Total Gain
	£	£	£
1923-24			4,437,712
1924-25	1,941,387	1,635,985	9,577,372
1925-26	4,135,611	2,854,936	6,990,580
1926-27	4,186,015	1,108,133	5,594,478
1927-28	4,707,239	3,460,000	8,167,239
1928-29	3,933,831	1,937,895	5,871,729
1929-30	4,588,050	1,561,650	3,027,300
1930-31	4,301,775	8,192,625	3,890,850
1931-32	4,020,150	—	6,900,000
1932-33	*		

* The contribution to General Revenues due for the year 1932-33 amounts to Rs 523 lakhs or 13 lakhs less than in 1931-32. The payment of the contribution has been held in abeyance until the return of prosperous years.

Rupees have been converted into £ at the average rate of exchange for the year.

In 1932-33 the gross receipts amounted to 84½ crores or 2 crores less than in the previous year. Working expenses, including the usual appropriation for depreciation amounted to 61½ crores—about 1½ crore less than in the

previous year. The net receipt of 23 crores, or 1 crore less than in 1931-32 were insufficient to meet the interest charges. The deficit of 10 crores was, as in the previous year, borrowed from accumulated balances of the Depreciation Fund.

Contracts Revised

One factor which helped to improve the financial position was the revision of the original contracts under which the guaranteed lines were constructed. The five per cent dividend guaranteed at 22½ per rupee, and the half-yearly settlements made these companies a drain on the State at a time when their stock was at a high premium. The first contract to fall in was the East Indian, the great line connecting Calcutta with Delhi and the Northern provinces. When the contract lapsed, the Government exercised their right of purchasing the line, paying the purchase-money in the form of terminable annuities, derived from revenue carrying with them a sinking fund for the redemption of capital. The rail was thus became a State line, but it was released to the Company which actually works it. Under these new conditions the East Indian Company brought to the State in the ten years ended 1909 after meeting all charges including the payments on account of the terminable annuity by means of which the purchase of the line was made, and interest of all capital outlay subsequent to the date on purchase, a clear profit of nearly ten millions. At the end of seventy four years from 1880, when the annuity expires, the Government will come into receipt of a clear yearly income of upwards of £2,700,000, equivalent to the creation of a capital of sixty to seventy millions sterling. No other railway shows results quite equal to the East Indian, because, in addition to serving a rich country by an easy line, it possesses its own collieries and enjoys cheap coal. But with allowance for these factors, all the other guaranteed companies which have been acquired under similar conditions as their contracts expired, have proportionately swelled the revenue and assets of the State. It is difficult to estimate the amount which must be added to the capital debt of the Indian railways in order to counterbalance the loss during the period when the revenue did not meet the interest charges. According to one estimate it should be £50 millions. But even if that figure be taken, Government have a magnificent asset in their railway property.

Improving Open Lines

These changes induced a corresponding change in Indian Railway policy. Up to 1900 the great work had been the provision of trunk lines. But with the completion of the Nagda-Muttra line, providing an alternative broad-gauge route from Bombay to Delhi through Eastern Rajputana, the trunk system was virtually complete. A direct broad-gauge route from Bombay to Sind is needed, but the poor commercial prospects of the line and the opposition of the Rao of Cutch to any through line in his territories, has for some time kept this scheme in the background. The possibilities however of this construction being undertaken have improved considerably

recently and a detailed survey is being carried out. There does not exist any through rail connection between India and Burma, although several routes have been surveyed, the mountainous character of the region to be traversed, and the easy means of communication with Burma by sea, rob this scheme of any living importance. Further survey work was undertaken between 1914 and 1920, the three routes to be surveyed being the coast route, the Yampur route, and the Hukong valley route. The metre gauge systems of Northern and Southern India will also probably one day be connected and Karachi given direct broad gauge connection with Delhi a project that has been investigated more than once but cannot at present be financially justified. These works are, however, subordinate to the necessity for bringing the open lines up to their traffic requirements and providing them with feeders. The sudden increase in the trade of India found the main lines totally unprepared. Costly works were necessary to double lines, improve the equipment, provide new and better yards and terminal facilities and to increase the rolling stock. Consequently the demands on the open lines altogether overshadowed the provision of new lines. Even then the railway budget was found totally inadequate for the purpose, and a small Committee sat in London, under the chairmanship of Lord Inchcape, to consider ways and means. This Committee found that the amount which could be remuneratively spent on railway construction in India was limited only by the capacity of the money market. They fixed the annual allotment at £12,000,000 a year. Even this reduced sum could not always be provided.

During 1932-33 the principal open line improvements consisted in—

- Doubling of the Ruparani Bridge on the B N Railway.
- Erection of new spans on the Kotri Bridge over the Indus, N W Railway.
- Replacement of girders on the Jumna Bridge, Delhi.
- Rebuilding of the Mahanadi Bridge on the Ktni Branch, B N Railway.
- Building the new double track Bridge over the Nerbaddi near Broach, B B & C I Railway.
- Shoranur Cochin Railway conversion, S I Railway.

Government Control and Reorganisation of Railway Board

As the original contracts carried a definite Government guarantee of interest, it was necessary for Government to exercise strong supervision and control over the expenditure during construction, and over management and expenditure after the lines were open for traffic. For these purposes a staff of Consulting Engineers was formed, and a whole system of checks and counterchecks established, leading up to the Railway Branch of the Public Works Department of the Government of India. As traffic developed, the Indian Railways outgrew this dry nursing and when the original contracts expired, and the interests of Government and the Companies synchronised, it became not only vexatious but unnecessary. Accordingly in 1901/02 Mr Thomas Robertson was deputed by the Secretary of State to examine the whole

question of the organization and working of the Indian Railways and he recommended that the existing system should be replaced by a Railway Board, consisting of a Chairman and two members with a Secretary. The Board was formally constituted in March 1905. The Board was made subordinate to the Government of India in which it was represented by the Department of Commerce and Industry. It prepared the railway programme of expenditure and considered the greater questions of policy and economy affecting all the lines. Its administrative duties included the construction of new lines by State agency, the carrying out of new works on open lines, the improvement of railway management with regard both to economy and public convenience, the arrangements for through traffic, the settlement of disputes between lines, the control and promotion of the staff on State lines, and the general supervision over the working and expenditure of the Company's lines. Certain minor changes have taken place from time to time since the constitution of the Railway Board. In 1909, to meet the complaint that the Board was subjected to excessive control by the Department of Commerce and Industry, the powers of the Chairman were increased and he was given the status of a Secretary to Government with the right of independent access to the Viceroy, he usually sat in the Imperial Legislative Council as the representative of the Railway interest. In 1912 in consequence of complaints of the excessive interference of the Board with the Companies an informal mission was undertaken by Lord Incheape to reconcile differences. Various changes were introduced during the years 1912-1920 such as the modification of the rule that the President and members of the Railway Board should all be men of large experience in the working of railways due to the importance of financial and commercial considerations in connection with the control of Indian Railway policy. This decision was, however, revised in 1920 and an additional appointment of Financial Adviser to the Railway Board created instead. The question of the most suitable organization was further fully examined by the Acworth Committee in 1921 and a revised organization which is described later was introduced from 1st April 1924.

Some of the difficulties involved in the constitution of a controlling authority for the railways of India may be realized from a study of the "Notes on the Relation of the Government to Railways in India" printed as an appendix to Volume I of the Annual Report by the Railway Board on Indian Railways. These notes bring out the great diversity of conditions prevailing which involve the Railway Department in the exercise of the functions of—

(a) the directly controlling authority of the State worked systems aggregating 18,499 miles in on the 31st March 1929,

(b) the representative of the predominant owning partner in systems aggregating 29,451 miles,

(c) the guarantor of many of the smaller companies, and

(d) the statutory authority over all railways in India.

Moreover in all questions relating to railways or extra municipal tramways in which Provincial

Governments are concerned, the Railway Department is called upon to watch the interests of the Central Government and is frequently asked to advise the Local Governments. Its duties do not end there. The future development of railways depends largely on the Government of India and the Railway Department is therefore called upon to plan out schemes of development, to investigate and survey new lines and to arrange for financing their construction. The evolution of a satisfactory authority for the administration of these varied functions has proved extremely difficult and the question was one of those referred to the Railway Committee (1920-21) presided over by Sir William Acworth who recommended the early appointment of a Chief Commissioner of Railways whose first duty should be to prepare a definite scheme for the reorganization of the Railway Department and Mr C D M Hindley, formerly Agent of the East Indian Railway and Chairman of the Calcutta Port Trust, was appointed Chief Commissioner on November 1st, 1922.

The principal constitutional change involved in this appointment is that the Chief Commissioner who takes the place of the President of the Railway Board is solely responsible—under the Government of India—for arriving at decisions on technical matters and for advising the Government of India on matters of railway policy and is not, as was the President, subject to be outvoted and overruled by his colleagues on the Board. The detailed reorganization of the Railway Board in accordance with the Chief Commissioner's proposals required careful consideration but one of the most important of his recommendations namely the appointment of a Financial Commissioner was considered of particular urgency and the Secretary of State's sanction was therefore obtained to the appointment with effect from 1st April 1923. While in the person of the Chief Engineer the Railway Board has always had available the technical advice of a senior Civil Engineer in Mechanical Engineering questions it has had to depend on outside assistance. The disadvantages of this arrangement have become increasingly evident and it was therefore decided with effect from November 1st, 1922, to create the new appointment of Chief Mechanical Engineer with the Railway Board.

The reorganization carried out in 1924 had for one of its principal objects the relief of the Chief Commissioner and the Members from all but important work so as to enable them to devote their attention to larger questions of railway policy and to enable them to keep in touch with Local Governments, railway administrations and public bodies by touring to a greater extent than they had been able to do in the past.

This object was effected by the following new posts which in some cases supplemented the existing ones and in other cases replaced them: Directors of Civil Engineering, Mechanical Engineering, Traffic, Establishment and Finance and seven Deputy Directors working under them.

The necessity of some central organisation to co-ordinate the publicity work carried out on railways and to undertake on its own the many forms of railways publicity which can be best

organised by one central body led to the inauguration of the Central Publicity Bureau under a Chief Publicity Officer in 1927. The success which has attended the work of this Bureau led to its being made permanent from January 1st, 1929. The work undertaken is described later.

The growing importance of labour questions necessitated the organisation of a new branch in the Railway Board's office and to the appointment in 1929 of a third member whose main duties are connected with the satisfactory solution of labour problems and the improvements of the conditions of service of the staff generally and of the lower paid employees in particular.

Under the Railway Board's policy of progressive standardisation, a Central Standardisation Office was established under a Chief Controller of Standardisation to provide the means whereby such standardisation would be progressively effected in accordance with changing conditions and as the result of practical experience. The Technical Officer under the Railway Board was transferred to this office as a Deputy Controller.

The present superior staff under the Railway Board, therefore consisted of 3 Directors, 5 Deputy Directors, 1 Secretary and an Assistant Secretary. In addition to the Controller of Railway Accounts and his officers to the Central Publicity Officer and the Officers in the Central Publicity Bureau and to the Chief Controller and the officers in the Central Standardisation Office.

The question of transferring the supervision of railway accounts of State Railways from the Finance Department to the Railway Board was under consideration for some time and in accordance with a resolution adopted by the Legislative Assembly in September 1925, a start was made with the transfer of the supervision of railway accounts on the East Indian Railway. At the same time a separate Audit Staff was appointed reporting directly to the Auditor General. As it was found that the separation of Audit from Accounts led to greater efficiency, a similar organisation was introduced on other State managed railways during 1929. The supervision of Accounts Officers was placed under a Controller of Railway Accounts reporting to the Financial Commissioner of Railways and that of Audit Officers under a Director of Railway Audit reporting to the Auditor General. These two duties were previously combined under the Accountant-General Railways, reporting to the Auditor General. The Chief Accounts Officers on railways are now under the Agent but have certain powers of direct reference to the Financial Commissioner of Railways.

Management

The Railways managed by Companies have Boards of Directors in London and are represented in India by an Agent. Some of the Company managed railways are still on a departmental basis with a Traffic Manager, Chief Engineer, Locomotive and Carriage and Wagon Superintendent, Controller of Stores and Chief Auditor, while others have separated the Transportation and Commercial duties of the Traffic Manager and combined the supervision of Locomotive running with Transportation

State managed lines have generally adopted the divisional organisation.

Clearing Accounts Office

A Clearing Accounts Office, with a Statutory Audit Office attached thereto, was opened in December 1926 to take over work relating to the check and apportionment of traffic interchanged between State managed Railways. The work of the different railways was gradually transferred to this office, the North Western Railway being taken over first on the 1st January 1927, the East Indian Rail way following on the 1st April, the Eastern Bengal Railway on the 1st January 1928, and the Great Indian Peninsula Railway later.

At the request of the Bombay, Biroda and Central India Railway an exhaustive experiment was conducted to check the accuracy of the results obtained by the revised procedure and as the experiment was completely successful, the Board of Directors of the Bombay, Biroda & Central India Railway have also agreed to the transfer of the check and apportionment of their foreign traffic to the Clearing Accounts Office.

During 1927-28 demonstrations explaining the Clearing Accounts Office procedure were given to the representatives of the Press as well as to the representatives of the various railways who visited the office to study the new procedure. An important demonstration was given to the representatives of the Southern Railways at Madras who were so impressed with the superiority of the new procedure that they unanimously recommended to their Home Boards the transfer of the work of check and apportionment of earnings from interchanged traffic to the Clearing Accounts Office and it was hoped to open a branch Clearing Accounts Office at Madras at an early date to deal with such traffic but owing to certain later developments in connection with experiments now in operation of through rate registers and of decentralisation of Traffic Accounts Work, no definite decision has yet been arrived at.

The Railway Conference

In order to facilitate the adjustment of domestic questions, the Railway Conference was instituted in 1876. This Conference was consolidated into a permanent body in 1903 under the title of the Indian Railway Conference Association. It is under the direct control of the railways, it elects a President from amongst the members, and has done much useful work.

The Indian Gauges

The standard gauge for India is five feet six inches. When construction was started the broad gauge school was strong, and it was thought advisable to have a broad-gauge in order to resist the influence of cyclones. But in 1870, when the State system was adopted it was decided to find a more economical gauge, for the open lines had cost £17,000 a mile. After much deliberation, the metre-gauge of 3 feet 3½ inches was adopted, because at that time the idea of adopting the metric system for India was in the air. The original intention was to make the metre-gauge lines provisional, they were to be converted into broad-gauge as soon as the traffic justified it, consequently

they were built very light. But the traffic expanded with surprising rapidity, and it was found cheaper to improve the carrying power of the metre gauge lines than to convert them to the broad-gauge. So, except in the Indus Valley, where the strategic situation demanded an unbroken gauge, the metre-gauge lines were improved and they became a permanent feature in the railway system. Now there is a great metre-gauge system north of the Ganges connected with the Rajputana lines and Kathiawar and another system in Southern India embracing the Southern Maratha and the South India Systems. These are not yet connected, but the necessary link from Khandwa by way of the Nizam's Hyderabad Godavari Railway, cannot be long delayed. All the Burma lines are on the metre gauge. Certain feeder and hill railways have been constructed on the 2'-0" and 2' 0" gauges and since the opening of the Barsi Light Railway which showed the possible capacity of the 2' 6" gauge, there has been a tendency to construct feeder lines on this rather than on the metre gauge.

State versus Company Management —

The relative advantages and disadvantages of State and Company management of the railways owned by Government which comprise the great bulk of the railway mileage in India have been the subject of discussion in official circles and the public press for many years. In India the question is complicated by the fact that the more important companies have not in recent years been the owners of the railways which they manage and the headquarters of their Boards are in London. The subject was one, perhaps the most important, of the terms of reference of the Acworth Railway Committee. That Committee was unfortunately unable to make a unanimous recommendation on this point, their members being equally divided in favour of State management and Company management. They were however, unanimous in recommending that the present system of management by Boards of Directors in London should not be extended beyond the terms of the existing contracts and this recommendation has met with general public acceptance. During the year 1922-23, the question was again referred to certain Local Governments and public bodies and opinions collected and discussed. The approaching termination of the East Indian Railway contract on 31st December 1924 and of that of the Great Indian Peninsula Railway on 30th June 1925 rendered an early decision on this question imperative. When the question was debated in the Legislative Assembly in February 1923, the non-official Indian Members were almost unanimously in favour of State management and indeed were able to carry a resolution recommending the placing of the East Indian Railway and the Great Indian Peninsula Railway under State management at the close of their present contracts. The Government of India, however, expressed themselves as being so convinced by the almost universal failure of this method in other countries that they proposed, while accepting the necessity for taking over the management of the East Indian Railway and the Great Indian Peninsula Railway to continue their efforts to devise a satisfactory form of Company domiciled in India to take these railways over eventually on a basis of real Company

management. There have been certain definite advantages during a transition period in having a central authority with necessary powers to co-ordinate the work on railways and that the results have been satisfactory are borne out by the fact that Indian railways have contributed 4½ million pounds to General Revenues during 1927-28 and nearly 4 million pounds during 1928-29 in addition to paying in 3½ million and 1½ million pounds respectively during these two years to the Railway Reserve Fund. The Government, however, need careful consideration in other countries has

risc in a Government fully responsible to the Legislature or under any constitution which imposed on the Railway Department the necessary restrictions which must apply to ordinary departments of the State. The solution found in other countries such as Germany, Canada, Belgium, Austria and elsewhere, where State ownership has thrown on the State the obligation to manage its own railways, has been to create by a statute in authority charged with the management of the State Railway property with statutory prescription of the objects to be aimed at in such management and statutory division of railway profits between the State and the Railway Authority. This authority may take the form of a company as in Canada and in Germany or follow the simpler lines of a statutory commission. On 1st January 1925 the East Indian Railway was amalgamated with the Oudh and Rohilkhand Railway and brought under direct State Management while on 1st July 1925 the Great Indian Peninsula Railway followed suit. The Naini Jubbulpore Section of the East Indian Railway was transferred to the Great Indian Peninsula Railway on 1st October 1925.

On January 1st 1920 the contract with the Burma Railways Company was terminated and the management taken over by the State. The purchase of this railway has entailed the payment to the Burma Railways Company of the sum of three millions sterling being the share capital originally contributed by the Company. The financial effort of taking over the line is estimated to be an increase of about half a crore of rupees in the net annual revenue to Government.

The purchase of the Southern Punjab Railway of an aggregate length of about 927 miles worked by the North Western Railway was effected on the 1st January 1930. It is estimated that the financial result of the purchase which cost approximately Rs 70½ lakhs will be a gain to Government of about Rs 47 lakhs a year.

At the end of 1929-30 the Nizam's Guaranteed State Railways system which was the property of the company, was acquired and its management taken over by His Exalted Highness the Nizam's Government and is now known as His Exalted Highness the Nizam's State Railway.

Separation of the Railway from the General Finances — The question of the separation of the railway from the general finances was under consideration for some time and as a result of the recommendations of the Acworth Committee in 1921, the question was further examined by the Railway Finance Committee and the Legislative Assembly but it was decided to postpone a definite decision for the present.

The question was examined afresh in connection with the recommendation of the Retrenchment Committee in 1923, that the railways in India should be so worked as to yield an average return of at least 5½ per cent on the capital at charge and it was decided that a suitable time had arrived when this separation could be carried out. A resolution was accordingly introduced in the Assembly on the 3rd March 1924, recommending to the Governor General in Council — "that in order to relieve the general budget from the violent fluctuations caused by the incorporation therein of the railway estimates and to enable the railway to carry out a continuous railway policy based on the necessity of making a definite return over a period of years to the State on the Capital expended on railways —

(1) The railway finances shall be separated from the general finances of the country and the general revenues shall receive a definite annual contribution from railways which shall be the first charge on railway earnings"

(2) The contribution shall be a sum equal to five-sixths of 1 per cent on the capital at charge of the railways (excluding capital contributed by Companies and Indian States and Capital expenditure on strategic railways) at the end of the penultimate financial year plus one-fifth of any surplus profits remaining after payment of this fixed return, subject to the condition that if any year railway revenues are insufficient to provide the percentage of five-sixths of 1 per cent on the capital at charge, surplus profits in the next or subsequent years, will not be deemed to have accrued for purposes of division until such deficiency has been made good. 1 from the contribution so fixed will be deducted the loss in working, and the interest on capital expenditure on strategic lines

(3) Any surplus profits that exist after payment of these charges shall be available for the Railway administration to be utilised in—

(a) forming reserves for,

(i) equalising dividends, that is to say, of securing the payment of the percentage contribution to the general revenues in lean years,

(ii) depreciation,

(iii) writing down and writing off capital,

(b) the improvement of services rendered to the public,

(c) the reduction of rates

(4) The railway administration shall be entitled, subject to such conditions as may be described by the Government of India, to borrow temporarily from capital or from the reserves for the purpose of meeting expenditure for which there is no provision or insufficient provision in the revenue budget subject to the obligation to make repayment of borrowings out of the revenue budgets of subsequent years

(5) In accordance with present practice the figures of gross receipts and expenditure of railways will be included in the Budget Statement. The proposed expenditure will as at present, be placed before the Legislative Assembly in the form of a demand for grants and on a separate day or days among the days allotted for the discussion of the demands for grants the Member in charge of the Railways will make a general statement on railway accounts

and working. Any reductions in the demand for grants for railways resulting from the votes of the Legislative Assembly will not ensure to general revenues, i.e., will not have the effect of increasing the fixed contribution for the year

(6) The Railway Department will place the estimate of railway expenditure before the Central Advisory Council on some date prior to the date for the discussion of the demand for grants for railways"

This resolution was examined by the Standing Finance Committee in September and was introduced with certain modifications. The final resolution agreed to by the Assembly on September 20th 1924, and accepted by Government differed from the original resolution in that the yearly contribution had been placed at 1 per cent instead of 5/6th per cent on the capital at charge and if the surplus remaining after this payment to General Revenues should exceed 3 crores, only 2rd of the excess over 3 crores were to be transferred to the Railway Reserve and the remaining 1rd was to accrue to General Revenues. At the same time a Standing Finance Committee for Railways was to be constituted to examine the estimate of railways expenditure and the demand for grants, the programme revenue expenditure being shown under a depreciation fund. This committee was to consist of one nominated official member of the Legislative Assembly as Chairman and 11 members elected by the Legislative Assembly from that body. This would be in addition to the Central Advisory Council which will include the Members of the Standing Finance Committee and certain other official and non-official members from the Legislative Assembly and Council of State. These arrangements were to be subject to periodic revision but to be provisionally tried for at least 3 years. They would, however, only hold good as long as the L. I. Railway and the G. I. P. Railway and existing State Managed Railways remain under State management and if any contract for the transfer of any of the above to Company management was concluded against the advice of the Assembly, the Assembly would be at liberty to terminate the arrangements in this resolution

The Assembly in an addendum recommended that the railway services and the Railway Board should be rapidly Indianised and that the stores for the State Managed Railways should be purchased through the organisation of the Indian Stores Department

The period has now arrived for this separation to be reconsidered and revised but due to the economic depression the matter has been held in abeyance

Re organisation problems—The growing complexity of railway administration in India and the evolution of new methods of controlling traffic have given a stimulus to the efforts of various railways to revise their organisations. The general direction in which this re organisation is being considered is that of consolidation into one department of the operating or transportation work of the railway, including the provision of power. This system which is commonly known as the divisional system, was first adopted on the Great Indian Peninsula Railway during 1922-23

The Pope Committee.

During 1932-33 a Committee under the Chairmanship of Mr. Pope, General Executive Assistant to the President of the L. M. S. Railway was formed to investigate and inaugurate a detailed analysis of every important activity of railway operation. In addition to the specific recommendation that 'job analysis' should be initiated on all railways, the following recommendations were made—

- (i) The better use of Locomotives
- (ii) The better use of Railway land
- (iii) Additional research and experiments
- (iv) Improved Work-shop practice
- (v) More careful listing of surplus track, equipment and accommodation
- (vi) Possibility of reducing hot axles

Rates Advisory Committee

The Rates Advisory Committee was constituted in 1926 to investigate and make recommendations to Government on the following subjects—

- (1) Complaints of undue preference
- (2) Complaints that rates are unreasonable in themselves,
- (3) Complaints or disputes in respect of terminals
- (4) The reasonableness or otherwise of any conditions as to the packing of articles specially liable to damage in transit or liable to cause damage to other merchandise,
- (5) Complaints in respect of conditions as to packing attached to a rate,
- (6) Complaints that Railways do not fulfil their obligations to provide reasonable facilities under Section 12 (3) of the Indian Railways Act

1932-33 five cases were referred for investigation and report

Inauguration of the Main Line Electric Service, G. I. P. Railway

The inauguration of the electrified main line section of the G. I. P. Railway from Kalyan to Poona took place on the 5th November 1929, and constituted the first entirely main line of track to be electrified in India. This scheme involved the elimination of the Bore Ghat Reversing Station. The problem of eliminating the Reversing Station had been seriously considered on several occasions in the past but it was not until 1923, when electrification had been definitely decided upon, that final survey operations became imperative.

Apart from the location of the realignment which called for the adoption of methods unusual in ordinary survey practice, the works involved in the construction of this double line broad-gauge section of railway were of considerable magnitude, chiefly in the form of heavy tunnel construction.

There are three tunnels in all aggregating 4,598 feet or 87 of a mile. The longest of these is 3,100 feet built throughout on a curve of the sharpest radius which occurs in these ghats. Allowing for curvature and the considerably increased spacing of tracks necessitated by the adoption of the latest standard dimensions, a tunnel section of 34 feet 6 inches wide and 24 feet 6 inches high was decided upon. This is considered to be the largest tunnel section in the world.

The steam trains to Poona took approximately 6 hours for the journey and it is anticipated that with electric traction this timing will be now reduced to approximately 3 hours.

With the opening of the electrified section between Kalyan and Ichapurli in October 1930, it is believed that the G. I. P. Railway has the greatest length of electrified main line in the British Empire and the entire scheme will be one of the most important main line electrifications in the world.

Publicity

The year 1929-30 marked a very considerable advance in the Publicity activities of the Indian railways. The Central Publicity Bureau of the Railway Board was inaugurated on 1st April 1927, a Chief Publicity Officer was appointed and provided with an Assistant and a small clerical staff. The office was located in Victoria Terminus, Bombay, it being felt that, to commence with, Bombay's position as the main port of arrival in India, closer touch could be kept with travellers and furthermore, Bombay presented certain distinct advantages from the point of view of printing facilities, etc.

In 1928 however the office was moved to Delhi as being more central and in closer touch with the Railway Board. Among some of the principal lines upon which it was decided to concentrate attention were—

- Cinema film production and display,
- Poster production and display
- Pamphlet production and display,
- Publication of an *Indian State Railways Magazine*
- Demonstration Trains,
- Upper and Lower class special excursion trains,
- Press propaganda in India,
- Press propaganda in Europe, America and other parts of the world,
- Reciprocal publicity with the leading railways of the world.

Shortly after the inauguration of the Central Publicity Bureau, the need was felt for a representative in England to give information and advice to potential travellers and to handle enquiries arising out of the advertising campaign which it was decided to carry out. A Publicity Officer was appointed and temporary offices secured in London in which an Indian State Railways Bureau was opened. It was soon found that separate permanent offices were required and these have now been obtained in 57, Haymarket, London, where sufficient accommodation is available to deal adequately with the many visitors who come there. With the opening of 'India House' a Branch Office has also been provided there, and this will deal more particularly with enquiries concerning Goods rates, but general enquiries can also be answered there. In order to obtain an adequate share of the American tourist traffic, an Office has also been opened in New York and a Resident Manager appointed there. This office was at first temporarily in accommodation kindly provided by the Canadian Pacific Railway in their General Offices at 342, Madison Avenue, New York, but now has its own commodious office in an excellent site at Delhi House, 38, East 57th Street, New York.

Owing to the financial stringency it was decided in 1931 to cut down the Bureau and

Open Mileage—The total route mileage on March 31st, 1933 was made up of—

Broad gauge	21,131 06 miles
Metre-gauge	17,652 97 "
Narrow gauge	4,176 85 "

Class I Railways	Number of seats in passenger carriages			
	1st	2nd	Inter	Thrd
5'-6"	25,211	45,200	67,576	676,133
3'-3½"	10,993	14,762	12,653	379,338

Under the classification adopted for statistical purposes, this mileage is divided between the three classes of railways as follows —

Class I	34,893 56 miles
Class II	3,248 82 "
Class III	1,145 60 "

During the year 1932-33, 305 92 miles of new lines were opened for public traffic. Of this mileage, 264 11 miles belong to Class I

Financial Results of Working—The total gross earnings of all railways in India during the year 1932-33 amounted to Rs 86 65 crores as compared with 87 83 crores in 1931-32. These figures, however, include railways owned by Indian States and companies for which the Government of India has no direct financial responsibility. The figures of receipts and expenditure for railways with which the Government are directly concerned are as follows —

(Based on actuals of penultimate year 1930-31)

		(Figures in thousands)	
		Rs	Rs
1	1 per cent on capital of Rs 7,35,91,90 at charge—commercial lines—to end of 1930-31		7,35,95
2	(i) Receipts (1930-31)—		
	Gross traffic receipts—commercial lines	93,62,17	
	Subsidized companies—share of surplus profits	20,36	
	Interest on depreciation and reserve fund balances and dividends on investments in branch lines and miscellaneous receipts	1,47,78	
	Total Receipts		95,30,31
(ii)	Charges (1930-31)—		
	Working expenses—commercial lines	65,26,89	
	Indian States and railway companies' share of surplus profits	1,16,30	
	Land and subsidy	5,90	
	Interest—		
	On capital at charge—commercial lines	29,87,05	
	On capital contributed by Indian States and companies	1,37,59	
	Miscellaneous railway expenditure	61,99	
	Contribution at 1 per cent on capital at charge—commercial lines	7,35,95	
	Total Charges		1,05,71,67
(iii)	Deficit		10,41,36
(iv)	Contribution of 1/5th of surplus		
3	Total contribution from railway revenues 1 plus 2 (iv)		7,35,95
	Deduct—Loss on strategic lines—		
	(i) Interest on capital	1,46,91	
	(ii) Miscellaneous railway expenditure	69	
	(iii) Loss in working	65,77	
4	Net payment due from railway to general revenues in 1932-33		2,13,37
			5,22 58

After meeting all interest and annuity charges Government therefore received a net profit of 4.04 crores on the capital at charge of the State minus the net receipts, that is the gross receipts minus the working expenses, have in recent years given the following returns —

	Percent
1913-14	5.61
1923-24	5.24
1924-25	5.85
1925-26	5.31
1926-27	3.95
1927-28	5.50
1928-29	5.22
1929-30	4.65
1930-31	Nil
1931-32	Nil

Up-to-date figures of the result of working of other countries are not available, but the following table compares the latest available figures of average receipts per ton-mile of these countries which have published statistics of working later than 1919 —

	Receipts per ton-mile
United States of America 1929	7.70
United Kingdom 1929	15.15

	Receipts per ton-mile
Japan 1927-28	7.26
Switzerland 1928	20.25
South America 1928-29	17.25
Canadian Railways 1929	5.75
India 1929-30	6.11

In the case of receipts per passenger-mile the figures for United States of America and India are as follows —

United States of America 1929	11.78 paise
India 1929-30	7.25 "

while in England the present standard fare charged per mile third class is 18 paise.

From the above it will be seen that railway transportation of freight in India is one of the cheapest in the world and still more so for passenger traffic.

An examination of the latest available figures of operating ratios of for Indian railways brings out results not unfavourable to Indian railways.

	Year	Operating Ratio
United States of America	1930	74 percent
France	1927	84.15
English Railways	1928	79.40
South African Railways	1928-29	77.80
Argentine Railways	1927	71.05
Canadian Railways	1929	81.21
India	1913-14	61.79
	1923-26	62.69
	1926-27	62.04
	1927-28	61.79
	1928-29	62.77
	1929-30	61.02
	1931-32	71.08
	1932-33	71.61

Output of Railway owned Collieries—The output of railway owned collieries during 1929-30 was 3,184,206 tons out of a total of 6,773,750 tons consumed on class I Railways.

For 1930-31 the output was

2,926,812 tons for a total of 6,629,014 tons

For 1931-32 the figures are

2,481,891 tons for a total of 6,759,398 tons

Number of Staff—The total number of employees on Indian Railways at the end of the year 1932-33 was 710,271, was compared with 731,979 at the end of 1931-32. The increase in route mileage during the same period was 812 miles. The following table shows the number of employees by communities on 31st March 1930, 1931 and 1932 —

	Europeans	Statutory Indians					Other Classes *
		Hindus	Muhammadians	Anglo Indians	Sikhs	Indian Christians	
31st March 1930	4,981	570,040	182,349	14,617			30,710
31st March 1931	4,709	553,851	172,321	14,350			35,809
31st March 1932	4,532	520,575	157,876	13,570	8,767	14,398	12,261
31st March 1933	4,297	504,082	152,875	13,048	8,591	15,574	11,801

* These include Sikhs and Indian Christians not shown separately

THE CHIEF RAILWAYS IN INDIA

The Assam-Bengal Railway, which is constructed on the metre-gauge, starts from Chittagong and runs through Surma Valley across the North Cachar Hills into Assam. It is worked under a limited guarantee by a company.

Mileage open	11,31 43
Capital at charge	Rs 23,58,50,000
Net earnings	Rs 42,01,000
Earnings per cent	1 80

Bengal and North-Western

The Bengal and North-Western Railway was constructed on the metre-gauge system by a company without any Government assistance other than free land and was opened to traffic in 1885. The system was begun in 1874 as the Tirhut State Railway. In 1890 this line was leased by Government to the Bengal and North-Western Railway. Since then extensive additions have been made in both sections. It is connected with the Rajputana metre gauge system at Cawnpore and with the Eastern Bengal State Railway at Khatihar and the East Indian Railway at Benares and Mokameh Ghat.

Mileage open	1269 67
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Bengal-Nagpur

The Bengal-Nagpur Railway was commenced as a metre-gauge from Nagpur to Chhatisgarh in the Central Provinces in 1887. A company was formed under a guarantee which took over the line, converted it to the broad gauge and extended it to Howrah, Cuttack and Katni. In 1901 a part of the East Coast State Railway from Cuttack to Vizagapatnam was transferred to it and in the same year sanction was given for an extension to the coal fields and for a connection with the Branch of the East Indian Railway at Hariharpur.

Mileage open	2413 55
Capital at charge	Rs 76,99,05,000
Net earnings	Rs 1,83,25,000
Earnings per cent	2 37

Bombay Baroda

The Bombay, Baroda and Central India Railway is one of the original guaranteed railways. It was commenced from Surat via Baroda to Ahmedabad, but was subsequently extended to Bombay. The original contract was terminable in 1880, but the period was extended to 1905, and then renewed under revised conditions. In 1885 the Rajputana-Malwa metre-gauge system of State railways was leased to the Company and has since been incorporated in it. On the opening of the Nagda-Muttra, giving broad-gauge connection through Eastern Rajputana with Delhi the working was entrusted to this Company. On the acquisition of the Company in April 1907 the purchase price was fixed at £11,685,581.

Mileage open	1035 50
Capital at charge	Rs 73,74,51,000
Net earnings	Rs 4,26,67,000
Earnings per cent	5 78

Burma Railways

The Burma Railway is an isolated line, and although various routes have been surveyed there is little prospect of its being connected

with the Railway system of India in the near future. In reply to a question in the Imperial Legislative Council in 1919, Sir Arthur Anderson said — "During 1914-15 extensive survey operations were carried out to ascertain the best alignment for a railway connection along the coast route between Chittagong and certain stations on the Burma Railways south of Mandalay. A rival route via the Hukong Valley between the northern section of the Assam-Bengal Railway and the section of the Burma Railways north of Mandalay was to have been surveyed during the following year but was postponed because of the war. It is now proposed to commence this survey during the coming cold weather, and on its completion, Government will have sufficient information to enable them to decide which route shall be adopted. Thus no arrangements for the construction of a line have yet been made nor has any concession been granted, but it is probable that the line selected will be built at the cost of Government and worked by one or other of the main lines which it will connect. It was commenced as a State Railway and transferred in 1896 to a Company under a guarantee. From January 1st, 1929, its working has been taken over by the State.

Mileage open	2,057
Capital at charge	Rs 35,05,52,000
Net earnings	Rs 75,13,000
Earnings per cent	2 15

Eastern Bengal

The Eastern Bengal State Railway was promoted under the original form of guarantee and was constructed on the broad-gauge. The first portion of the line running to Calcutta over the Ganges was opened in 1862. In 1874 sanction was granted for the construction on the metre-gauge of the Northern Bengal State Railway, which ran from the north bank of the Ganges to the foot of the Himalayas on the way to Darjeeling. These two portions of the line were amalgamated in 1884 into one State Railway.

Mileage open	843 17
Capital at charge	Rs 51,61,71,000
Net earnings	Rs 76,30,000
Earnings per cent	1 48

East Indian

The East Indian Railway is one of the three railways sanctioned for construction as experimental lines under the old form of guarantee. The first section from Howrah to Pandua was opened in 1854 and at the time of the Mutiny ran as far as Raniganj. It gives the only direct access to the port of Calcutta from Northern India and is consequently fed by all the large railway systems connected with it. In 1880 the Government purchased the line, paying the share-holder by annuities, but leased it again to the company to work under a contract which was terminable in 1919.

The contract was not terminated until January 1st, 1925, when the State took over the management. From July 1st, 1925 the Oudh & Rohilkhand railway was amalgamated with it.

Mileage open	4219 83
Capital at charge	Rs 1,47,58,58,000
Net earnings	Rs 6,04,26,000
Earnings per cent	4 09

Great Indian Peninsula

The Great Indian Peninsula Railway is the earliest line undertaken in India. It was promoted by a Company under a guarantee of 5 per cent and the first section from Bombay to Thana was open for traffic in 1853. Sanction was given for the extension of this line via Poona to Rutchur, where it connects with the Madras Railway, and to Jabbulpur where it meets the East Indian Railway. The feature of the line is the passage of the Western Ghats, these sections being 152 miles on the Bhore Ghat and 92 miles on the Thul Ghat which rise 1,131 and 972 feet. In 1900, the contract with the Government terminated and under an arrangement with the Indian Midland Railway that line was amalgamated and handed to a Company to work.

The contract was terminated on June 30th, 1925, when the State took over the management.

Mileage open	165.65
Capital at charge	Rs 1,17,17,00,000
Net earnings	Rs 2,59,65,000
Earnings per cent	2.17

Madras and Southern Mahratta Railway

The Madras Railway was the third of the original railways constructed as experimental lines under the old form of guarantee. It was projected to run in a north westerly direction in connection with the Great Indian Peninsula Railway and in a south westerly direction to Cileut. On the expiry of the contract in 1907 the line was amalgamated with the Southern Mahratta Railway Company, a system on the metre gauge built to meet the famine conditions in the Southern Mahratta Country and released to a large Company called the Madras and Southern Mahratta Railway Company.

Mileage open	1118.80
Capital at charge	Rs 53,11,31,000
Net earnings	Rs 2,05,10,000
Earnings per cent	5.56

The North-Western

The North Western State Railway began its existence at the Sind-Punjab Delhi Railway, which was promoted by a Company under the original form of guarantee and extended to Delhi, Multan and Lahore and from Karachi to Kotri. The interval between Kotri and Multan was unbridged and the railway traffic was exchanged by a ferry service. In 1871-72 sanction was given for the connection of this by the Indus Valley State Railways and at the same time the Punjab Northern State Railway from Lahore towards Peshawar was begun. In 1886 the Sind-Punjab Delhi Railway was acquired by the State and amalgamated with these two railways under the name of the North-Western State Railway. It is the longest railway in India under one administration.

Mileage open	5552.69
Capital at charge	Rs 1,13,33,56,000
Net earnings	Rs 3,02,06,000
Earnings per cent	2.66

Oudh and Rohilkhand

Oudh and Rohilkhand Railway was another of the lines constructed under the original form of guarantee. It began from the north bank of the Ganges running through Rohilkhand as far as Saharanpur where it joins the North-Western State Railway. It was not until 1847 that the bridge over the Ganges was completed and connected with the East Indian Railway. To effect a connection between the metre gauge systems to the North and those to the South of the Ganges a third railway was laid between Bhujwal and Cawnpore. The Company's contract expired in 1889 when the Railway was purchased by the State and has since been worked as a State Railway.

The working of this railway was amalgamated with that of the East Indian Railway from 1st July 1925.

The South Indian

The South Indian Railway was one of the original guaranteed railways. It was begun by the Great Southern India Railway Company as a broad gauge line, but was converted after the severities to the metre gauge. This line has been extended and now serves the whole of the Southern India, south of the south west line of the Madras Railway. Between Tuticorin and Ceylon a ferry service was formerly maintained, but a new and more direct route to Ceylon via Rameshwaram was opened at the beginning of 1914. As the original contract ended in 1907, a new contract was entered upon with the Company on the 1st of January 1903.

Mileage open	599.05
Capital at charge	Rs 44,05,15,000
Net earnings	Rs 2,09,80,000
Earnings per cent	5.34

The Indian States

The principal Indian State Railways are the Nizams, constructed by a company under a guarantee from the Hyderabad State, the Kathiawar system of railways, constructed by subscriptions, among the several Chiefs in Kathiawar, the Jodhpur and Bikaner Railways, constructed by the Jodhpur and Bikaner Chiefs, the system of railways in the Punjab, constructed by the Patiala, Jind, Maler Kotla, and Kashmir Chiefs, and the railways in Mysore, constructed by the Mysore State.

At the end of the financial year 1929-30 a total of 1257.57 miles of new lines was under construction, distributed as follows—

	Miles
5' 6" gauge	730.77
3' 3 1/2" gauge	457.51
2' 6" gauge	69.29

During 1929-30 sanction was accorded to the construction of new lines totalling 227.77 miles.

	Miles
5' 6" gauge	93.00
3' 3 1/2" gauge	115.17
2' 6" gauge	19.00

INDIA AND CEYLON.

The possibility of connecting India and Ceylon by a railway across the bank of sand extending the whole way from Rameswaram to Mannar has been reported on from time to time, and since 1895 various schemes having been suggested

The South Indian Railway having been extended to Dhanushkodi, the southernmost point of Rameswaram Island, and the Ceylon Government Railway to Talaimannar, on Mannar Island, two points distant from each other about 21 miles across a narrow and shallow strait, the possibility of connecting these two terminal stations by a railway constructed on a solid embankment raised on the sand bank known as "Adam's Bridge," to supersede the ferry steamer service which has been established between these two points, is one of the schemes that has been investigated

In 1913, a detailed survey was made by the South Indian Railway Company, and the project contemplates the construction of a causeway from Dhanushkodi Point on the Indian side to Talaimannar Point on the Ceylon side, a length of 20.05 miles of which 7.19 will be upon the dry land of the various lands, and 12.86 will be in water. The sections on dry land will consist of low banks of sand pitched with coral and present no difficulty. The section through the sea will be carried on a causeway which it is proposed to construct in the following way. A double row of reinforced concrete piles, pitched at 10 feet centres and having their inner faces 14 feet apart, will first be driven into the sand. These piles will then be braced together longitudinally with light concrete arches and chains and transversely with concrete ties, struts and chains. Behind the piles slabs of reinforced concrete will be slipped into position, the bottom slabs being sunk well into the sand of the sea bottom. Lastly, the space enclosed by the slabs will be filled in with sand.

The top of the concrete work will be carried to six feet above high water level, and the rails will be laid at that level. The sinking of the piles and slabs will be done by means of water jets. This causeway, it is expected, will cause the suspended sand brought up by the currents, to settle on either side bringing about rapid accretion and eventually making one big island of Rameswaram Island and Mannar Island.

Indo-Burma Connection

The raids of the Emden in the Bay of Bengal in 1914, and the temporary interruption of communications between India and Burma, stimulated the demand for a direct railway connection between India and Burma. Government accepted the position and appointed Mr. Richards, M. Inst. C.E., to be the engineer-in-charge of the surveys to determine the best route for a railway from India to Burma. The

coast route appears to be the best one but at present would not be remunerative. This would start from Chittagong, which is the terminus and headquarters of the Assam-Bengal Railway and a seaport for the produce of Assam. The route runs southwards through the Chittagong district, a land of fertile rice fields intersected by big rivers and tidal creeks and it crosses the Indo-Burma frontier, 94 miles from the town of Chittagong. For about 160 miles further it chiefly runs through the fertile rice lands of Arrakan and crosses all the big tidal rivers of the Akyab delta. These include the Kaladan river which drains 4,700 miles of country and even at a distance of about 30 miles from its mouth is more than half a mile wide. About 260 miles from Chittagong the railway would run into the region of mangrove swamps which fringe the seacoast north and south of the harbour of Kawkphu stretching out into the mangrove swamps like ribs from the backbone. Innumerable spurs of the Arrakan Yoma have to be crossed. Yoma is a mountain ridge which extends from Cape Negrais northwards until it loses itself in a mass of tangled hills east of Akyab and Chittagong. At its southern end the height of the ridge is insignificant but it has peaks as high as 4,000 feet before it reaches the altitude of Sandway and further north it rises much higher. It is a formidable obstacle to railway communication between India and Burma. This route is estimated to cost about £7,000,000 and would have to be supplemented by branch lines to Akyab where there is at present a considerable rice traffic and the cost of this would have to be added to the £7,000,000 already referred to.

The other routes examined have been the Hukong Valley route and the Manipur route which were surveyed by the late Mr. R. A. Wavell many years ago. The Manipur route was estimated to cost about £5,000,000 as it has to cross three main ranges of hills with summit levels of 2,650, 3,600 and 8,900 feet long. Altogether there would be about four miles of tunnelling through the three main ridges and through other hills and more than 100 miles of expensive undulating railway with grades as steep as 1 in 50 and 11,000 feet of aggregate rise and fall. The Hukong Valley route is only about 284 miles long and it presents fewer engineering difficulties than either the Coast or the Manipur route. One hundred and fifty miles of this route lie in open country capable of cultivation though at present it is only very thinly populated. Only one range of hills has to be crossed and this can be negotiated with a summit tunnel 5,000 feet long at a height of 2,500 feet. There are less than fifty miles of very heavy work and only about 4,500 ft. aggregate of rise and fall. The Hukong Valley route although cheaper than the Manipur route is not a practical financial proposition and both may be ruled out of consideration.

Main results of working of all Indian Railways treated as one system

	Particulars	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
1	Miles open at close of the year	Miles	38,579	39,019	39,712	40,050	41,724	42,280	42,813
2	Total Capital outlay, including ferries and suspension, on open lines (in thousands of rupees)	Rs	7,54,31,54	7,88,66,66	8,22,86,25	8,31,39,30	8,56,74,62	8,09,80,77	8,76,34,25
3	Gross earnings (in thousands of rupees)		1,13,39,21	1,12,35,66	1,18,23,19	1,18,86,82	1,10,08,11	1,05,57,04	97,20,56
4	Gross earnings per mean mile worked		29,30	29,486	29,486	29,486	27,070	25,084	22,675
5	Gross earnings per mean mile worked per week		560	549	567	557	532	483	426
6	Gross earnings per train-mile		6.09	6.58	6.55	6.39	6.08	61	5.81
7	Total working expenses (in thousands of rupees)		71,09,00	69,70,08	72,60,06	74,61,94	75,48,61	71,23,43	69,09,11
8	Working expenses per mean mile worked	Per week							
9	Working expenses per train-mile	Rs	4.33	4.08	4.00	3.95	3.99	3.92	2.99
10	Percentage of working expenses to gross earnings	Percent	62.09	62.04	61.39	62.77	65.02	69.68	71.08
11	Net earnings (in thousands of rupees)	Rs	42,30,16	45,66,13	45,66,13	44,24,88	40,59,53	32,33,57	28,11,15
12	Net earnings per mile open		10,931	10,931	11,183	11,077	9,493	75,43	70,26
13	Net earnings per train-mile		2.01	2.50	2.55	2.41	2.00	1.68	1.80
14	Percentage of net earnings on total capital outlay (item 2)	Percent	5.61	5.41	5.56	5.32	4.74	3.72	3.21
15	Passenger train miles (in thousands)	Train-miles	69,541	74,967	79,399	83,594	89,881	90,012	80,368
								Stm 8,681	1,502
								Elto 1,580	3.11

* Represents figure of capital at charge

Main results of working of all Indian Railways treated as one system—*contd*

	Particulars.	1925-26	1923-27.	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
16	Goods train-miles (in thousands) Train-miles	57,411	57,328	59,874	† 61,436	60,295	Steam Electric	48,294 558	44,980
17	Mixed train-miles (in thousands)	30,836	29,717	30,684	† 30,878	31,052	Steam Electric	30,014 Nil	31,574 Nil
18	Total, including miscellaneous train-miles (in thousands)	162,258	170,720	179,658	† 185,459	190,140	Steam Electric	165,195 2,172	161,444 2,173
19	Unit-mileage of passengers (in thousands) Unit-miles	20,331,752	20,366,250	21,704,687	22,097,136	23,053,000	20,188,226	18,056,818	17,600,454
20	Freight ton-mileage of goods (in thousands) Ton-miles	19,900,018	20,374,679	21,902,222	21,839,177	21,524,037	20,406,477	18,346,765	17,202,541
21	Average miles a ton of goods was carried	249.2	237.4	43.9	241.0	246.4	24.17	240	244
22	Average rate charged for carrying a ton of goods one mile	6.22	6.12	6.03	6.24	6.14	6.06	6.15	6.35
<i>Average miles a passenger was carried</i>									
23	1st class	107.7	117.1	131.4	138.8	153.7	164.4	183.1	191.5
24	2nd class	38.6	42.0	48.1	49.4	49.9	52.5	60	60.8
25	Intermediate class	45.8	45.4	243.9	42.8	42.4	40.9	45.3	47.7
26	3rd class	33.4	33.7	34.2	35.1	35.8	35.0	35	34.4
27	Total	33.9	33.1	34.8	35.6	36.3	35.6	35.7	35.1
<i>Average rate charged per passenger per mile</i>									
28	1st class	20.8	19.1	17.0	17.0	16.2	16.4	17.2	18.2
29	2nd class	9.51	8.60	7.84	7.94	7.73	7.70	8.28	8.82
30	Intermediate class	4.92	4.58	4.27	4.18	4.02	4.10	4.22	4.26
31	3rd class	3.47	3.35	3.25	3.10	3.02	3.01	3.13	3.21
32	Total	3.73	3.59	3.47	3.32	3.21	3.21	3.33	3.42

* Based on tons originating

† Based on passengers originating, Season and vendors' tickets are included under separate classes

Mileage of Railway Lines in India open for Traffic at end of year

Railways.	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1932-33
STATE LINES.									
Aden	29	29	29	29	29	29	29	19	19
Alnavar Dandell (Provincial)*	19	19	19	19	19	19	19		
Alon-Y E U	27	27	27	49	49	†	†		
Anuppur-Manendragarh						30	40		
Assam-Bengal *	874	874	874	874	913	1,010	1,104	1,131	1,131
Bangalore Harihar *	210	210	210	210	210	210	210	210	210
Bengal-Nagpur*	1,998	2,013	2,059	2,201	2,201	2,147	2,287	2,418	2,413
Bezwada Extension*	21	21	21	21	21	21	21	21	21
Bombay, Baroda & Central India*	2,863	2,893	2,899	2,890	2,882	2,912	2,958	1,035	1,035
Broach-Jambusar *	30	30	30	30	30	†	†		
Burma	1,530	1,530	1,537	1,500	1,592	1,031	2,046	2,057	2,057
Cawnpore-Burhwal (a)	80	80	83	83	83	83	83	(c)82	82
Dera Ismail Khan Tink Deenauville			42	42	42	36	36	36	36
Dhone-Kurnool*	32	32	32	32	32				
East Indian	2,481	2,485	3,751	3,795	3,817	3,997	4,026	4,157	4,219
Eastern Bengal	1,622	1,616	1,604	1,611	1,637	1,743	1,793	1,845	1,845
Saptura *	217	627	627	627	625	625	625	625	625
Great Indian Peninsula	2,616	2,672	(b)3,914	(b)3,194	(b)3,194	(b)3,216	(b)3,239	3,163	2,405
Jodhpur-Hyderabad** (British Section) ..	124	124	124	124	124	174	174	174	174
Jorhat Provincial	32	32	32	32	32	32	32	31	31
Kalka-Simla	60	60	60	60	60	60	60	59	59
Kangra Valley						103	103	102	102
Zhob Valley	46	46	46	46	85	171	171	173	173

* Worked by a Company

** Worked by Indian State

(a) Includes 16.79 miles of mixed (5'6" and 3'-3½") gauge line between Burhwal and Barabanki and also 2.18 miles of the O & R Railway metre gauge line at Benares

(b) Includes Agri & Delhi Chord, Baran Kotah, Bhopal Jfrail (a part of this line is owned by the Bhopal Durbar) and Cawnpore Banda Railway

† Included under Burma

‡ Closed for traffic from 1st August 1929

(c) Including the mixed gauge line referred to in the note marked with † above and also 2.18 miles of E. I. Railway metre gauge line at Benares

Mileage of Railway Lines in India open for Traffic at end of year—cont'd

Railways	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1931-32
STATE LINES—cont'd									
Kohat-Thal	62	62	62	62	62	62	62	61	61
Kolar Gold fields*	10	10	10	10	10	10	10	107	9
Lucknow-Bareilly*	316	313	312	312	312	312	312	312	312
Madras and Southern Mahratta *	2,560	2,560	2,560	2,500	2,584	2,072	2,780	1,118	1,118
Morappur-Hosur *	73	73	73	73	73	73	73	72	73
Moulmein-ye †	27	70	89	89	89	†	†		
Nilgiri*	29	29	29	29	29	29	29	28	28
North Western	4,075	4,075	4,101	4,432	4,535	4,038	5,517	55,003	5,552
Palanpur Deesa*	17	17	17	17	17	17	17	116	116
Purulia Ranchi*	115	115	115	117	117	117	117	116	
Pymmana-Taungdwingyi †	10	67	67	67	92	†	†	56	56
Raipur-Dhantari *	57	57	57	57	57	57	57		
South Indian*	1,317	1,317	1,317	1,353	1,508	1,738	1,923	599	599
Southern Shan States †	87	87	86	86	86	†	†		
Travancore British section	50	50	50	50	50	50	50	50	50
Tirhoot*	813	815	808	809	807	810	806	802	802
Thirupattur-Krishnagiri*	25	25	25	25	25	25	25	25	25
Trans Indus (Kalabagh Bannu)	162	102	162	162	162	162	159	157	157
Tumsar-Tiroli Light *	47	47	47	47	47	47	19	18	18
ASSISTED COMPANIES									
Ahmedabad-Parantli	89	89	89	89	89	89	89	88	88
Ahmadpur-Katwa	32	32	32	32	32	32	32	35	35

* Worked by a Company

Worked by Company up to 31st December 1928 and taken over by State from 1st January 1929 and included under Burma
 † Includes 51.95 miles of Mirjawa-Duzdarp section worked by the N.W. Rly at the cost of the Military Department

Mileage of Railway Lines in India open for Traffic at end of year—contd.

Railways		1923-24	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
ASSISTED COMPANIES—contd											
Amltsar-Patti	.	54	54	54	54	54	54	54	54	54	54
Arrah-Sasaram Light		65	65	65	65	65	65	65	65	65	65
Bankura-Damodar River		60	60	60	60	60	60	60	60	60	60
Baraset-Basirhat Light		52	52	52	52	52	52	52	52	52	52
Barsi Light		117	119	118	118	118	118	118	118	118	118
Bengal and North-Western		1,256	1,251	1,270	1,270	1,270	1,270	1,270	1,270	1,270	1,270
Bengal Doonars		157	157	157	157	157	157	157	157	157	157
Bezwada-Masulipatnam	.	52	52	52	52	52	52	52	52	52	52
Bukhtnarpur-Bihar Light		33	33	33	33	33	33	33	33	33	33
Bardwan Katwa	..	32	32	32	32	32	32	32	32	32	32
Champaner-Shivrajpur Panl Light	.	31	31	31	31	31	31	31	31	31	31
Chaparmukh Slighat	.	51	51	51	51	51	51	51	51	51	51
Darjeeling-Himalayan		51	51	51	51	51	51	51	51	51	51
.. " Extension	..	95	95	95	95	95	95	95	95	95	95
Dagdhara-Jamshpurgunj	.	8	8	8	8	8	8	8	8	8	8
D-dhri-Rohas Light		24	24	24	24	24	24	24	24	24	24
Dhond-Baramati †		27	27	27	27	27	27	27	27	27	27
Dibru Sadly		80	80	80	80	80	80	80	80	80	80
Lillehpur-Yeotmal†		118	118	118	118	118	118	118	118	118	118
Futwah-Islampur		27	27	27	27	27	27	27	27	27	27
Godhra Lunavada	.	65	65	65	65	65	65	65	65	65	65
Hardwar-Dehra †	..	32	32	32	32	32	32	32	32	32	32
Howrah Amta Light		44	44	44	44	44	44	44	44	44	44
Howrah-Sheakhah Light		20	20	20	20	20	20	20	20	20	20
Jacobabad Kasimpor †		77	77	77	77	77	77	77	77	77	77

* Worked by a Company.

† Worked by State Railway.

Mileage of Railway Lines in India open for Traffic at end of year—contd

Railways	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1932-33
ASSISTED COMPANIES—contd									
Jamnagar and Dwarka	66	66	66	66	66	66	66	69	69
Jessore Jhenidah	57	37	37	37	37	37	37	38	38
Jullundur Doab	133	133	133	133	133	133	+	+	+
Jullundur Mukerian §§	45	45	45	45	45	45	45	41	41
Kalighat Falta	26	26	26	26	26	26	26	32	32
Katakhal Lalabazar *	21	23	23	23	23	23	23	23	23
Khulna Dagerhat §§	20	20	20	20	20	20	20	19	19
Larkana-Jacobabad §§	53	53	53	53	53	53	53	53	53
Madrin-Bhuan §§	46	46	46	46	46	46	46	46	46
Matheran Light §§	13	13	13	13	13	13	13	13	13
Mayurbhanj (a)	71	71	71	71	71	71	71	71	71
Mirpur Khas-Jhudo	50	50	50	50	50	50	50	50	50
Mirpur Khas-Khadro (c)*	50	50	50	50	50	50	50	49	49
Mymensing-Bhalrab Pazar *	101	101	101	101	101	101	101	100	100
Nadlad Kapadvunj	23	23	23	23	23	23	23	23	23
Pachora-Jamner §§	35	35	35	35	35	35	35	34	34
Phagwar-Rahon §§	45	45	45	45	45	45	45	45	45
Podaqur Pollachi *	25	25	25	25	25	25	25	25	25
Pulgon-Arvi §§	22	22	22	22	22	22	22	21	21
Robikund and Kumon	259	259	259	259	259	259	259	258	258
Sara-Sirtaganj §§	53	53	53	53	53	51	50	49	49
Shah Jari (Delhi) Saharanpur Light	93	93	93	93	93	93	93	101	101
Shahdara Narowal	38	38	38	38	38	38	38	48	48
Sialkot Narowal §§	79	79	79	79	79	79	79	38	38
South Behar §§	581	581	581	581	581	581	581	75	75
Southern Punjab (b)	4	4	4	4	4	4	4	4	4
Burmangalam-Saloh *	4	4	4	4	4	4	4	4	4

* Worked by a Company + Purchased by the State and amalgamated with the North Western Railway
(a) Shown under "Indian State Lines" Up to 1919 20 (b) Includes Ludhiana Extension (c) Worked by Indian States
+ This has been purchased by the State and amalgamated with the South Indian Railway
§§ Worked by State Railway
§§ Amalgamated with the Jodhpur Hyderabad

Mileage of Railway Lines in India open for Traffic at end of year—*contd*

Railways	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1931-32	1932-33
ASSISTED COMPANIES—<i>contd</i>									
Sutlej Valley	127	127	213	213	213	213	†		
Tanjore District Board*	131	131	131	131	131	131	†		
Tapti Valley	156	156	156	156	156	156	156	155	155
Tenali-Repalli	21	21	21	21	21	21	21	21	21
Tezpur-Ballpara	20	20	20	20	20	20	20	21	21
Tinnevely-Tiruchendur	38	38	38	38	38	38	38	38	38
UNASSISTED COMPANIES									
Bengal Provincial	33	33	33	33	33	33	33	33	33
Jagadhri Light	3	3	3	3	3	3	3	3	3
Kulasekarapatnam Light	25	25	25	25	25	27	27	27	27
Lelo and Tikal Margherita Colliery	6	6	6	6	6	6	6	39	24
Trivellore Light	2	2	2	2	2	2	2	2	2
INDIAN STATE LINES									
Kazipet Balharshah	17	58	58	58	60	116	116	100	115
Bahawalnagar Chollistan						63	63	151	151
Bangalore Chik Ballapur Light	35	39	39	39	39	39	39	67	107
Bhaurgur State	283	283	284	284	287	337	367	106	157

* Worked by a Company.

† Purchased by the State and amalgamated with the North Western Railway
‡ Amalgamated with the South Indian Railway

Mileage of Railway Lines in India open for Traffic at end of year—contd

Railways	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
INDIAN STATE LINES—contd										
Bhopal-Ujjain §	113	113	113	113	113	113	113	113	113	113
Bikaner	526	508	509	604	619	699	759	799	875	875
Bra-Goon-Baran §										
Bodoli-Chota Udaipur	147	147	147	147	147	147	147	147	147	147
	23	23	23	23	23	23	23	23	23	23
Cooch-Behar §	33	33	33	33	33	33	33	33	33	33
Cutch	37	37	37	37	37	52	52	52	52	52
Dholpur State	36	36	36	36	36	36	55	55	61	61
Dhrangadra	40	54	54	54	54	54	40	40	40	40
Gaekwar's Barod State		316	316	316	318	318	318	333	388	388
Gaekwar's Mehsana*	231	230	230	230	230	230	230	256	256	256
Gondal	106	106	106	106	106	106	106	106	121	123
Gwalior Light †	250	250	252	253	253	253	253	253	325	322
Hindupur (Yeswanpur Mysore Frontier)	51	51	51	51	52	52	52	52	51	51
Hingoli Branch*	50	50	50	50	50	50	50	50	50	50
Hyderabad-Godavari Valley*	391	386	386	386	386	386	386	386	385	385
Jalpur State*										
Jammu and Kashmir §	139	156	179	179	181	181	181	181	181	181
Jamnagar	16	16	16	16	16	16	16	16	16	16
Jaisalmer-Rajkot	54	54	54	54	54	54	54	54	66	66
	46	46	46	46	46	46	46	46	51	55
Jind-Panipat §	26	26	26	26	26	26	26	26	25	25
Jodhpur	609	609	609	618	618	618	693	727	732	731
Junagad State										
Khanpur-Chachran §	141	148	148	148	148	148	148	148	167	187
	22	22	22	22	22	22	22	22	21	21
Karipalli-Kothagudam										
Khyadiya-Dhuri †	37	37	37	37	37	37	37	37	24	24
Kolar District	64	64	64	64	64	64	64	64	107	107
Kolhapur*	29	29	29	29	29	29	29	29	29	29
Ludhiana-Dhuri-Jakhal §	79	79	79	79	79	79	79	79	79	79

* Worked by a Company

§ Worked by State Railway Agency

† Worked by Indian State

Mileage of Railway Lines in India open for Traffic at end of year—*concl'd*

Railways	1922-23	1923-24	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1931-32
INDIAN STATE LINES—<i>concl'd</i>										
Mohar Darauli	15	15	15	15	15	15	†	†	116	116
Morvi	93	93	90	90	102	102	102	102	354	354
Mysore	204	263	263	263	285	285	287	287	39	39
Prabhand Purli										
Tarikare Narasimharajapura Light	27	27	27	27	27	27	27	27	29	29
Nagda-Ujjain*	33	33	33	35	35	35	35	35	34	34
Nizam's Guaranteed State (b)	330	330	330	330	330	330	330	330	330	330
Okhamandal*	37	37	37	37	37	37	37	37	42	42
Parlakimedi Light*	25	25	25	25	25	25	25	25	56	56
Pethad Cambay*	34	34	34	34	34	34	34	34	12	12
Piplod Devgad Baria	25	25	25	25	25	25	10	3	9	9
Pipar Bilari Light							**	**		
Porbandar State	41	41	41	41	41	41	41	41	49	49
Rajpipla*	39	39	39	39	39	39	39	39	58	58
Rajpura-Bhatinda §	108	108	108	109	109	109	109	109	107	107
Sangli*	5	5	5	5	5	5	5	5	4	4
Secunderabad-British Frontier	117	117	117	145	145	145	143	148	148	148
Sikind-Rupar §							31	31	30	30
Shoranur-Cochin*	64	65	65	65	65	65	65	65	64	64
Travancore (Indian Section)	96	96	96	96	96	96	96	96	98	98
Udaipur Chitorgari	67	67	67	67	67	67	67	67	138	138
Ukarabad Bidar									56	56
FOREIGN LINES.										
Periam-Karakkai*	15	15	15	15	15	15	15	15	14	14
Ponicherry*	8	8	8	8	8	8	8	8	7	7
West of India Portuguese*	51	51	51	51	51	51	51	51	51	51
Grand Total	37,618	38,039	38,270	38,579	39,049	39,712	40,950			

* Worked by a Company

§ Worked by State Railway Agency

** Included with Jodhpur Railway

† Included with Dholpur State

(b) Although shown under Indian State Lines this is a Company's Line guaranteed by an Indian State

Mines and Minerals.

Total value of Minerals for which returns of Production are available
for the years 1931 and 1932

	1931 (£1 = Rs 13 5)	1932 (£1 = Rs 13 3)	Increase	Decrease	Variation per cent
	£	£	£	£	
Coal	6,125,804	5,120,045		1,005,759	-16 4
Petroleum	4,380,389	3,818,875		561,514	-12 8
Gold	1,540,885	1,906,123	365,238		+23 7
Salt	1,010,441	898,754		111,687	-11 1
Lead and lead ore (a)	939,906	820,109		911,797	-12 7
Building materials	851,741	685,877		165,864	-19 5
Silver	387,351	471,557	84,206		+21 7
Tin ore	250,806	339,097	79,291		+30 5
Copper ore and matte	407,181	338,675		68,506	-16 8
Iron ore	308,055	294,720		13,335	-4 3
Mica (c)	307,316	251,800		55,516	-18 1
Manganese ore (b)	726,954	140,022		586,932	-80 7
Zinc concentrates	127,669	113,481		14,188	-11 1
Saltpetre (c)	73,414	92,272	18,858		+25 7
Nickel speiss	49,924	77,269	27,345		+54 8
Ilmenite	41,991	58,134	16,143		+38 4
Tungsten ore	65,309	52,921		12,388	-18 9
Tadete (c)	26,094	28,359	2,265		+8 7
Chromite	23,335	20,727		2,608	-11 2
Clays	25,615	19,451		6,164	-24 1
Refractory materials	5,108	10,100	4,992		+97 7
Steatite	9,001	9,736	735		+8 2
Gypsum	7,254	7,125		129	-1 8
Antimonial lead	14,781	6,627		8,154	-55 2
Monazite	890	6,147	5,257		+590 7
Magnesite	2,026	5,470	3,444		+169 9
Diamonds	2,569	5,428	2,859		+111 3
Zircon	7,972	3,805		4,167	-52 3
Fuller's earth	2,542	3,405	863		+33 9
Ochre	1,918	2,489	571		+29 7
Barites	3,200	2,209		991	-30 9
Asbestos	5	677	672		
Beryl		397	397		
Felspar	247	330	83		+33 6
Amber		146	146		
Apatite	79	81	2		+2 5
Soda	31	33	2		+6 4
Garnet (d)		28	28		
Bismuth	6	4		2	-33 3
Ruby, sapphire and spinel	3,175			3,175	
Serpentine	6			6	
Columbite	4			4	
TOTAL	17,739,994	15,612,505	613,397	2,740,886	-12 0
			-2,127,489		

(a) Excludes antimonial lead

(b) Export of b values

(c) Export values,

(d) Estimated,

The feature which stands out most prominently in a survey of the mineral industries of India is the fact that until recent years little has been done to develop those minerals which are essential to modern metallurgical and chemical industries, while most striking progress has been made in opening out deposits from which products are obtained suitable for export, or for consumption in the country by what may conveniently be called direct processes. In this respect India of to-day stands in contrast to the India of a century ago. The European chemist armed with cheap supplies of sulphuric acid and alkali, and aided by low sea freights and increased facilities for internal distribution by the spreading network of railways has been enabled to stamp out, in all but remote localities, the once flourishing native manufactures of alum, the various alkaline compounds, blue vitriol, copperas, copper, lead, steel and iron, and seriously to curtail the export trade in nitre and borax. The reaction against that invasion is of recent date. The

high quality of the native-made iron, the early anticipation of the processes now employed in Europe for the manufacture of high-class steels, and the artistic products in copper and brass gave the country a prominent position in the ancient metallurgical world, while as a chief source of nitre India held a position of peculiar political importance until, less than forty years ago, the chemical manufacturer of Europe found among his by-products, cheaper and more effective compounds for the manufacture of explosives.

With the spread of railways, the development of manufactures connected with jute, cotton and paper, and the gradually extended use of electricity the demand for metallurgical and chemical products in India has steadily grown. Before long the stage must be reached at which the variety and quantity of products required, but now imported, will satisfy the conditions necessary for the local production of those which can be economically manufactured only for the supply of groups of industries.

COAL

Most of the coal raised in India comes from the Bengal and Bihar and Orissa—Gondwana coal-fields. Outside Bengal and Bihar and Orissa the most important mines are those at Singareni in Hyderabad, and in Central Provinces but there are a number of smaller mines which have been worked at one time or another.

Provincial production of Coal during the years 1931 and 1932

Province	1931	1932	Increase	Decrease
	Tons	Tons	Tons	Tons
Assam	275,021	210,035		64,986
Baluchistan	16,554	18,928	2,374	
Bengal	5,810,184	5,782,603		27,581
Bihar and Orissa	13,532,794	11,847,216		1,685,578
Central India	226,928	210,488	13,560	
Central Provinces	1,004,391	1,163,096	158,705	
Hyderabad	757,575	781,121	23,546	
Punjab	54,840	72,857	18,017	
Rajputana	38,148	37,045		1,103
TOTAL	21,716,435	20,153,387	216,202	1,779,250

Value of Coal produced in India during the years 1931 and 1932

	1931			1932		
	Value (£1=Rs 13 5)		Value per ton	Value (£1=Rs 13 3)		Value per ton
	Rs	£	Rs i p	Rs	£	Rs i p
Assam	31,02,094	229,785	11 1 5	22,70,039	170,680	10 12 11
Baluchistan	1,34,296	9,948	8 1 9	1,49,385	11,232	7 14 3
Bengal	2,21,68,189	1,612,058	3 1 1	1,88,07,330	1,414,085	3 4 0
Bihar and Orissa	1,87,78,145	3,613,196	3 9 8	1,78,23,891	2,813,901	3 3 1
Central India	9,70,329	71,876	4 1 5	10,06,914	75,710	4 3 0
Central Provinces	40,68,974	3,01,405	4 0 10	11,41,896	333,977	3 13 1
Hyderabad (a)	30,61,779	2,26,798	4 0 8	30,63,195	230,338	3 14 9
Punjab	2,65,067	19,635	4 13 4	3,83,155	28,809	5 4 2
Rajputana	1,19,491	11,073	3 14 8	1,50,469	11,313	4 1 0
Total	8,26,98,364	6,125,804		6,80,96,604	5,120,015	
Average			3 12 11			3 6 1

(a) Estimated

In reversal of 1930 and 1931, the export statistics for coal during 1932 show an increase, amounting to about 78,500 tons. Exports to Hongkong increased greatly from 89,127 tons in 1931 to 218,638 tons in 1932. As the exports to Ceylon fell from 281,684 tons in 1931 to 190,237 tons in 1932. Hongkong, for the first time, became the leading importer of Indian coal. Exports to the Straits Settlements (including Labuan) decreased by some 16,000 tons, whilst those to the Philippine Islands and Gurn showed an increase of about 7,000 tons. The United Kingdom took 32,699 tons against 10,785 tons in the previous year and other countries absorbed about 28,000 tons more. The export of coke decreased by 332 tons. Imports of coal and coke showed during 1932 another substantial fall, namely from 88,035 tons in 1931 to 47,544 tons in 1932, 13,912 tons of the latter consisted of coke. This fall is due mainly to a decrease of some 30,000 tons from South Africa, and of 9,000 tons from the United Kingdom. The average surplus of exports over imports during the years 1926 to 1932 was, in fact, greater than the surplus during the pre-war quinquennium.

The average number of persons employed in the coal fields during the year showed a smaller decrease (4.4 per cent) than the decrease in production

(7.2 per cent). The average output per person employed, therefore, showed a decrease to 121.7 tons in contrast with the advances up to 1930, which have been 110.5 tons for 1925 rising to 113.1 tons for 1926, 122.3 tons for 1927, 125.5 tons for 1928, 130.4 tons for 1929, and 129.1 tons for 1930, with a decrease to 125.4 tons in 1931. Except for the last five years, however, the figure for the year under review is still higher than those previously recorded, these higher figures are due, partly to an increased use of mechanical coal cutters, and partly to concentration of work. During the past few years a large number of collieries have been shut down and the labour absorbed in the remainder, this concentration permits of a proportional reduction of the supervising staff, resulting in a larger tonnage per head. There was a decrease in the number of deaths by accident from 196 in 1931 to 164, the latter figure is much better than the annual average for the quinquennium 1919-1923, which was 274, and also below the annual average for the quinquennium 1924-1928, which was 218. The death rate was 1.0 per thousand persons employed in 1932, a little less than the figure for the previous year (1.1), the average figure for the period 1919-1923 was 1.36, and for the period 1924-1928 was 1.16.

IRON ORE

Bengal and Bihar and Orissa are the only provinces in India in which iron ore is mined for smelting by European methods. Iron smelting, however, was at one time a widespread industry in India and there is hardly a district away from the great alluvial tracts of the Indus, Ganges and Brahmaputra in which slag heaps are not found. The primitive iron smelter finds on difficulty in obtaining sufficient supplies of ore from deposit that no European Ironmaster would regard as worth his serious consideration.

Early attempts to introduce European processes for the manufacture of pig-iron and steel were recorded in 1830 in the South Arcot District. Since that date various other attempts have been made but none proved a success before that now in operation near Barakar in Bengal. The site of the Barakar Iron-Works was originally chosen on account of the proximity of both coal and ore supplies. The outcrop of iron stone shales between the coal-bearing Barakar and Raniganj stages stretches east and west

from the works, and for many years the clay ironstone nodules obtainable from this formation formed the only supply of ore used in the blast furnaces. Recently magnetite and hematite have been obtained from the Munbhum and Singhbhum districts, and the production from the last named district has largely replaced the supplies of ore hitherto obtained near the iron works.

The Bengal Iron and Steel Company, Limited, have now given up the use of ores obtained from the neighbourhood of Barakar and Raniganj and are now obtaining most of their ores from the Kolhan Estate, Singhbhum. Some years ago the Bengal Iron Steel Co., Ltd. secured two deposits of iron ore in Saranda (Singhbhum) forming parts of two large hill masses known as Notu Buru and Buda Buru respectively. Recent prospecting in this part of Singhbhum has led to the discovery of numerous additional deposits of iron ore, the extension of which has been traced into Keonjhar and Bonal States in Orissa, a total distance of some 40 miles in a S S W direction. At Pansira Buru, a portion of Notu Buru, the deposit has been opened up, and now feeds the Barakar Ironwork. Pansira Buru rises to over 2,500 feet above sea level, the low ground on the west side being at about 1,100 feet above sea-level. The uppermost 400 to 450 feet of this hill has now been opened up, and the workings indicate the existence of a deposit about a quarter of a mile long, perhaps 400 feet thick and proved on the dip for about 500 feet. The ore body appears to be interbedded with the Dharwar slates, from which it is separated by banded hematite jaspers. The ore itself is high grade micaceous hematite often lateritised at the outcrop. Cross cuts into the interior of the deposit show that the hematite becomes very friable not far below the outcrop. In fact the characteristics of this ore, including the surface lateritisation, are almost exactly reproduced in the iron-ore deposits of Goa and Ratnagiri. The Tata Iron and Steel Company at Sakchi possesses slightly

richer and purer ore bodies in the Itanpur district, supplies of ore are at present drawn from the deposits in Mayurbhanj. The ore deposits have all been found to take the form of roughly lenticular bands or bodies of hematite, with small proportions of magnetite in close association with granite on the one hand and granitic rocks on the other.

The production of iron ore in India is still steadily on the increase, India is now, in fact, the second largest producer in the British Empire, and yields place only to the United Kingdom. Her output is of course still completely dwarfed by the production in the United States (over 59 million tons in 1930 and 31 million tons in 1931) and France 48 and 38 million tons in 1930 and 1931 respectively), but her reserves of ore are not much less than three quarters of the estimated total in the United States, and there is every hope that India will eventually take a much more important place among the world's producers of iron ore. In 1930 however, the prevailing depression was reflected in a decrease in the Indian output over the previous year of 23.8 per cent amounting to 578,930 tons, followed by a further fall of 221,742 tons (12.1 per cent) in 1931. In 1932 however, in spite of the continuance of the depression there was a partial recovery in the production of iron ore in India of 135,618 tons (8.3 per cent). The figures shown against the Keonjhar and Mayurbhanj States in the following table represent the production by the United Steel Corporation of Asia, Ltd. and the Tata Iron and Steel Co. Ltd. respectively. Of the total production of 666,874 tons shown against Singhbhum, 528,370 tons were produced by the Tata Iron and Steel Co., Ltd. from their Nominudi mine, and 138,504 tons by the Indian Iron and Steel Co., Ltd. from their mines at Gua. The output of iron ore in Burma is by the Burma Corporation, Limited, and is used as a flux in lead smelting.

Quantity and value of Iron ore produced in India during the years, 1931 and 1932

	1931			1932		
	Quantity	Value £1=Rs 13 5)		Quantity	Value £1=Rs 13 5)	
	Tons	Rs	£	Tons	Rs	£
<i>Bihar and Orissa—</i>						
Keonjhar	1,09,841	1,09,841	738,136	186,173	1,86,173	13,098
Mayurbhanj	901,246	27,03,738	200,277	891,193	21,33,961	160,448
Puri	9	12				
Sambalpur				7	50	4
Singhbhum	588,290	12,65,325	93,728	666,874	15,51,217	116,633
<i>Burma—</i>						
Northern Shan States	1,886	7,544	559	6,560	26,240	1,973
Central Provinces	763	2,280	170	803	2,400	181
<i>Madras—</i>						
East Godavari	4,329	2,597	192	4,496	4,456	335
Mysore State	18,519	67,391	4,992	4,395	15,263	1,148
Total	1,624,883	41,58,737	308,055	1,760,501	39,19,769	294,720

In contrast with the preceding year there was a fall in the total output of iron and steel by the Tata Iron and Steel Co. at Jamshedpur. The production of pig iron fell from 799,545 tons in 1931 to 699,931 tons in 1932, with decreases in the production of steel (including steel rails) from 439,134 tons in 1931 to 430,333 tons in 1932, and of ferro manganese from 14,366 tons in 1931 to 366 tons in 1932. As in 1931, there was no production of pig iron by the Bengal Iron Co., their output of products made from pig iron in 1932 amounted to 3,371 tons of sleepers and chairs, and 17,266 tons of pipes and other castings, against 28,211 tons and 32,760 tons, respectively in 1931. The Indian Iron and Steel Co. decreased their production of pig iron from 243,214 tons in 1931 to 198,700 tons in 1932. The output of pig iron by the

Mysore Iron Works fell from 15,577 tons in 1931 to 14,683 tons in 1932. The total production of pig-iron in India fell from 1,058,336 tons in 1931 to 913,314 tons in 1932.

Exports of Pig-iron—The decrease in the production of pig iron in India recorded above was accompanied by a fall in the quantity exported from 318,994 tons in 1931 to 250,137 tons in 1932. Japan is still the principal consumer of Indian pig-iron, but the proportion fell from 49 per cent in 1931 to 41.5 per cent in 1932, whilst the actual amount fell by 34 per cent. Exports to all other countries fell substantially except to United Kingdom to which a rise of about 65 per cent (33,732 tons) took place. The export value per ton of pig-iron varied slightly from Rs. 35.1 (£2.6) in 1931 to Rs. 34.8 (£2.62) in 1932.

MANGANESE ORE.

This industry was started some thirty years ago by quarrying the deposits of the Vizagapatam district, and from an output of 674 tons in 1892, the production rose rapidly to 92,008 tons in 1900 when the richer deposits in the Central Provinces were also attacked, and are now yielding a larger quantity of ore than the Vizagapatam mines. The most important deposits occur in the Central Provinces, Madras, Central India, and Mysore—the largest supply coming from the Central Provinces. The uses to which the ore is put are somewhat varied. The peroxide is used by glass manufacturers to destroy the green colour in glass making, and it is also used in porcelain painting and glazing for the brown colour which it yields. The ore is now used in the manufacture of ferro-manganese for use in steel manufacture. Since 1904, when the total output was 150,190 tons, the progress of the industry has been remarkable owing to the high prices prevailing

since when the smallest production was 450,416 tons in 1915 valued at £929,546 whilst the smallest value was in 1909 when a production of 644,660 tons was valued at £603,908. The fall in magnitude of this catastrophe to the Indian manganese industry is perhaps best realised from the fact that whilst the quantity of the production in 1932 was a little over one fifth of that of the peak year of 1927, the value was less than one nineteenth of the value of the 1927 production. In fact in none of the major Indian mineral industries have the effects of slump been so seriously felt as in the manganese industry.

The decrease of 1932, totalling 325,575 tons, was distributed over all producing districts except Keonjhar State which showed an increase of some 5,000 tons, Vizagapatam district with an increase of some 2,700 tons, and North Kanara with a trivial output against none in the previous year. Production ceased from the Panch Mahals, Belgaum, and Bellary. In the Central Provinces the production fell from 302,344 tons in 1931 to 77,186 tons in 1932, which is the smallest output since 1901, in the infancy of the industry in the Central Provinces, when the output was 44,428 tons. During the year the majority of mines in the Central Provinces were closed including several in mines that had never been closed since the commencement of work in 1900 and 1901.

The present chief sources of production of manganese ore are now India, Russia, the Gold Coast, South Africa, and Brazil, whilst substantial supplies of ore are forthcoming from Egypt and Czechoslovakia.

There is a steady consumption of manganese ore at the works of the three principal Indian iron and steel companies, not only for use in the steel furnaces of the Tata Iron and Steel Company, and for the manufacture of ferro-manganese, but also for addition to the blast furnace charge in the manufacture of pig iron. The consumption of manganese ore by the Indian iron and steel industry in the year under review amounted to 19,647 tons, against 53,037 tons in 1931.

Record Output in 1927—Before the year 1926, the record production of Manganese-ore in India took place in 1907 when 902,291 tons were raised. In 1926, the output rose to 1,014,928 tons, valued at £2,463,491 f.o.b. Indian ports, the rise in output was however, accompanied by a decrease in value. In 1927 the production rose to the highest figure yet recorded, 1,129,353 tons, accompanied by a rise in value to the peak figure of £2,703,068 f.o.b. Indian ports. During the year 1928, the upward tendency was not maintained, the output falling to 978,449 tons valued at £2,198,895 f.o.b. Indian ports. In 1929, the output rose again slightly to 994,279 tons but the value fell heavily to £1,571,030. In 1930 the output fell substantially to 829,946 tons with a heavy fall in value to £1,200,236. In 1931 a still more serious fall took place to 537,844 tons with a value of £726,954. This has been followed by a disastrous fall in 1932 to 212,604 with a value of £140,022. This is the smallest quantity and value reported since 1904, when the output was 150,190 tons valued at £137,933. In 1905 the output was 247,427 tons valued at £223,432.

Quantity and value of Manganese ore produced in India during the years 1931 and 1932

	1931		1932	
	Quantity	Value f o b at Indian ports	Quantity	Value f o b at Indian ports
	Tons	£	Tons	£
<i>Bihar and Orissa—</i>				
Konjhar State	39,665	10,087	44,908	23,296
Singbhum	7,938	12,370	2,272	2,300
<i>Bombay—</i>				
Belgium	174	739		
North Kanara			612	620
Pinch Mahals	31,184	48,595		
<i>Central Provinces—</i>				
Balighat	119,166	198,115	36,762	40,132
Bhandara	82,999	137,640	10,918	11,919
Chhindwara	16,401	27,203	10,041	10,961
Nagpur	83,175	138,420	19,465	21,249
<i>Madras—</i>				
Bellary	44	34		
Sundur State	119,833	117,360	79,023	26,176
Vizagapatam	5,389	4,070	8,049	3,169
<i>Mysore—</i>				
Chitaldrug	425	351	219	79
Shumoga	519	452	335	121
Total	537,844	726,954	212,604	140,022

GOLD

The greater part of the total output of gold in India is derived from the Kolar gold field in Mysore. During the last decade the production of this mine reached its highest point in 1905 when 616,758 ounces were raised. In 1906 the quantity won was 565,208 ounces and this figure fell to 535,085 ounces in 1907. The figures for the latter years reveal a small improvement. The Nizam's mine at Hufli in Hyderabad comes next, but at a respectable distance, to the Kolar gold field. This mine was opened in 1903. The only other mines from which gold was raised were those in the Dharwar district of Bombay and the Anantapur district of Madras. The Dharwar mines gave an output of 2,993 ounces in 1911 but work there ceased in 1912. The Anantapur mines gave their first output of gold during the year 1910, the amount being 2,532 ounces, valued at Rs 1,51,800. Gold mining was carried on in the North Arcot district of Madras from 1893 till 1900, the highest yield (2,854 ounces) being obtained in the year 1898. The Kyaukpazat mine in Upper Burma was worked until 1903, when the pay chute was lost and the mine closed down. In 1902 dredging operations were started on the Irrawaddy river near Maitkyina, and 216 ounces of gold were obtained in 1904, the amount steadily increased from year to year and reached 8,415 ounces in 1909, but

fell in subsequent years until in 1922 it was no more than 24 oz. The small quantity of gold produced in the Punjab, the Central Provinces, and the United Provinces is obtained by washing. Gold washing is carried on in a great many districts in India, but there is no complete record of the amount obtained in this way. There was a trivial fall in the total Indian gold production from 330,488 8 ozs valued at Rs 2,08,01,943 (£1,510,885) in 1931 to 329,681 7 ozs valued at Rs 2,53,51,438 (£1,906,123) in 1932. There was again a small production from the same districts in the previous year. The figures for the Punjab and the Central Provinces are, of course, with the output of Kolar which makes up 99.97 per cent of the Indian total. The considerable increase in the value of production is due to 1932 being the first full year since Britain and India abandoned the gold standard in September, 1931, with consequent appreciation in the price of gold, against sterling or Rupees. As a result of this appreciation in the price of gold 9,666,122 ozs of gold reckoned in terms of fine gold were exported during 1932. The value was Rs 75,87,52,203 (£57,049,038).

The average number of persons employed on the Kolar Gold Field during 1932 was 18,816.

Quantity and value of Gold* produced in India during the years 1931 and 1932

	1931			1932			Labour in 1932
	Quantity	Value (£1=Rs 13 5)		Quantity	Value £1=Rs 13 3)		
	Ozs	Rs	£	Ozs	Rs	£	
Bihar and Orissa—							
Singbhum				50 9	3,650	274	4
Burma—							
Katha	18 8	1,005	75	18 2	950	72	2
Upper Chindwin	18 0	960	71	28 4	2,649	199	
Mysore	330,437 5	2,07,99,131	1,540 676	329,574 9	2,53,13,443	1,905,522	8,86
Punjab	10 0	583	43	6 6	480	36	47
United Provinces	4 5	261	20	3 6	266	20	23
Total	330,488 8	2,08,01,943	1,540,885	329,681 7	2,53,51,438	1,906,123	18,892

* Fine ounces in the case of Mysore

PETROLEUM

Petroleum is found in India in two distinct areas—one on the east, which includes Assam, Burma, and the islands off the Arakan coast. This belt extends to the productive oil fields of Sumatra, Java and Borneo. The other area is on the west, and includes the Punjab and Baluchistan, the same belt of oil-bearing rocks being continued beyond the borders of British India to Persia. Of these two the eastern area is by far the most important, and the most successful oil-fields are found in the Irrawaddy Valley. Yenangyaung is the oldest and most developed of these fields. Native wells have been at work here for over 100 years, and to 1886, prior to annexation of Upper Burma, the output is estimated to have averaged over 2 million gallons a year. Drilling was begun in 1887. The Yenangyat field yielded a very small supply of petroleum before 1891, in which year drilling was started by the Burma Oil Company. Singu, now holds the second place among the oil fields of India. Petroleum was struck at the end of 1901, and in 1903, 5 million gallons were obtained. In 1907 and 1908 the production of this field was 43 million gallons, and after a fall to 31½ million gallons in 1910 it rose to 56½ million gallons in 1912. Several of the islands off the Arakan coasts are known to contain oil deposits but their value is uncertain. About 20,000 gallons were obtained from the eastern Barongo Island near Akra, and about 37,000 gallons from Ramri Island in the Kyaikpyu district during 1911. Oil was struck at Minbu in 1910, the production for that year being 18,320 gallons

which increased to nearly 4 million gallons in 1912. The existence of oil in Assam has been known for many years and an oil spring was struck near Makum in 1867. Nothing more, however, was done until 1883, and from that year up till 1902 progress was slow. Since that year the annual production has been between 2½ and 4 million gallons.

On the west, oil springs have been known for many years to exist in the Rawalpindi and other districts in the Punjab. In Baluchistan geological conditions are adverse, and though some small oil springs have been discovered, attempts to develop them have not hitherto been successful.

The world's production of petroleum in 1926 amounted to nearly 150 million tons, of which India contributed 0.72 per cent. In 1927, this figure jumped to some 172 million tons, of which the Indian proportion on a practically stationary production, fell to 0.64 per cent. In 1928, there was another substantial rise in the world's production, which reached the figure of over 181 million tons. In 1929 there was another jump to over 202 million tons, but in 1930 the world's production fell to about 193½ million tons. In 1931 to about 188 million tons, and in 1932 to about 180 million tons. The United States alone showed a fall greater than the total fall. Increases were shown by Roumania, Persia, Netherlands, East Indies, Argentina, Trinidad, India, Germany, Czechoslovakia, Italy and Bolivia. Roumania showed the largest increase

All other producers showed a decrease in production. The United States contributed 59.9 per cent of the world's supply in 1932. Russia 11.9 per cent and Venezuela 8.9 per cent. In 1928 India contributed 0.64 per cent which fell 0.60 per cent in 1929 and rose to 0.62 in 1930, 0.63 per cent in 1931 and 0.64 per cent in 1932, her position on the list of petroleum producing countries fell from 11th in 1929 to 12th in 1930, 1931 and 1932, her place being taken by Trinidad.

The production of petroleum in India (including Burma) rose from 305,018,751 gallons in 1931 to 308,606,031 gallons in 1932, the highest production yet recorded, with the exception of the output of 311,030,108 gallons in 1930. The increase in 1932 represents the balance of a considerable increase in the output of Burma and slight increase of that of the Punjab, and of a trivial proportionate decrease in the production of Assam. This increase in output in 1932 was accompanied, however, by a decrease in value

amounting to Rs. 83,11,212 (£561,514) 12.8 per cent, the fall in price being a reflection of the world depression.

Production from Yenangyaung, the most highly developed field in the Indian Empire, showed a decrease of 1,073,700 gallons, or a little over 3 per cent of the 1931 total.

An interesting feature of the year was the discovery of oil at the horizon of the 3,000 and 3,100 feet sands in East Twingon. For many years these horizons have been recognised as gas sands, but it now appears that the gas in them is a crestal accumulation on the higher portions of the structure. This discovery proved a narrow strip of oil within the Twingon Reserve and led to competitive deepening towards the close of the year. Development of this part of the field, both by extension tests and by a deep test well, was proceeding at the end of the year. At Minlindung one of the two deep test wells was abandoned, while the other remained shut down.

Quantity and value of Petroleum produced in India during the years 1931 and 1932

	1931			1932		
	Quantity	Value (£1=Rs. 13 5)		Quantity	Value (£1=Rs. 13 3)	
	Gals	Rs	£	Gals	Rs	£
<i>Assam—</i>						
Bidupur	1,985,042	3,12,644	23,159	847,217	63,357	4,764
Digboi	53,407,990	91,19,891	675,518	54,198,185	92,54,823	695,851
Patharia	153,431	24,165	1,789	89,854	0,919	595
<i>Burma—</i>						
Kyaukpadaung	13,068	11,829	876	13,237	11,814	888
Mabui	3,993,633	7,98,726	59,165	3,850,716	6,25,750	47,049
Singun	85,478,378	1,70,95,676	1,266,346	88,911,939	1,14,53,065	8,686,697
Thayetmyo	577,840	1,15,568	8,561	464,326	75,453	5,673
Upper Chindwin	2,777,102	2,09,427	15,513	4,040,690	3,03,051	22,786
Yenangyaung (including Lanywa)	19,809,104	39,61,821	293,468	23,060,644	37,55,163	282,343
Yenangyaung	131,265,443	2,60,96,073	1,933,043	120,191,043	2,07,65,523	1,561,318
<i>Punjab—</i>						
Attock	5,557,720	13,89,430	102,921	5,900,480	14,75,120	110,911
Total	305,018,751	5,91,35,250	4,380,389	308,606,031	5,00,91,038	3,818,875

Imports of Kerosene Oil into India during the years 1931 and 1932

	1931			1932		
	Quantity	Value (£1=Rs 13 5)		Quantity	Value (£1=Rs 13 3)	
From—	Gals	Rs	£	Gals	Rs	£
Russia	3,021,170	15,54,048	115,181	60,210	22,579	1,698
Georgia	19,155,551	98,51,423	729,735	28,263,908	1,21,86,262	916,260
Azerbaijan	11,753,283	51,87,107	384,230	17,211,968	65,24,430	490,559
Persia	11,001,137	51,71,125	383,046	18,053,144	98,97,711	744,189
Straits Settlements (including Labuan),	428,333	2,16,919	16,070	6,500	1,979	194
Borneo	2,235,007	11,40,750	84,500	2,181,860	8,72,149	65,575
Celebes and other Islands	5,502,311	28,08,474	208,035	1,313,023	8,20,638	61,702
United States of America	19,599,798	1,27,53,851	944,730	6,080,904	31,10,836	233,897
Other countries	136	95	7	4,920,055	23,02,234	173,100
Total	72,997,029	3,86,84,722	2,865,534	78,091,572	3,57,38,818	2,687,129

Imports of Fuel Oils into India during the years 1931 and 1932

	1931			1932		
	Quantity	Value (£1=Rs 13 5)		Quantity	Value (£1=Rs 31 3)	
From—	Gals	Rs	£	Gals	Rs	£
Persia	72,295,499	1,41,86,900	1,050,882	67,938,453	1,31,09,255	985,658
Straits Settlements (including Labuan)	2,665,515	3,41,717	40,127	69,899	19,314	1,452
Borneo	25,681,729	54,28,436	402,106	26,513,654	52,01,654	391,102
Other countries	3,672,058	8,78,497	65,074	10,730,412	20,96,511	157,632
TOTAL	104,314,801	2,10,35,550	1,558,189	105,252,687	2,04,26,734	1,535,844

Amber, Graphite and Mica—Amber is found in very small quantities in Burma. Graphite is found in small quantities in various places but little progress has been made in mining except in Travancore. The total output in 1929 was 39 tons. India has for many years been the leading producer of mica, turning out more than half of the world's supply. In 1914, owing to the war, the output was only 38,189 cwts compared with 43,650 cwts in 1913. Owing to necessary restrictions with regard to the export of mica, the output fell off considerably in the year 1915, but subsequent demand in the United Kingdom for the best grade of ruby mica led to a considerable increase in production during the following years.

There was a small fall in the declared production of mica from 38,963 cwts valued at Rs 20,37,634 (£150,935) in 1931, to 32,713 cwts valued at Rs 14,35,401 (£107,925) in 1932. In the years 1926 and 1927 the export figure was approximately double the reported production figure, whilst in the years 1928 and 1929 the quantity exported was more than double the reported production. In 1930 the recorded exports were, however, only some 57 per cent in excess of the reported production, in 1931 only 36 per cent, and in 1932 only 43 per cent in excess.

The United States of America and the United Kingdom, which are the principal importers of Indian mica, absorbed respectively 23.4 per cent and 43.2 per cent during 1931, and 24.0 per cent and 47.6 per cent during 1932. Germany took 7.2 per cent and 10.6 per cent respectively, of the total quantities exported during the years 1931 and 1932. The average value of the exported mica decreased from Rs 78.3 (£5.8) per cwt in 1931 to Rs 71.2 (£5.4) per cwt in 1932. The exports fell from 52,966 cwts value at Rs 41,48,768 (£307,316) in 1931, to 47,021 cwts valued at Rs 33,48,943 (£251,800) in 1932. This is the lowest total value recorded since 1915-16, when the value of the mica exports was £208,496.

The difference between exports and production is generally attributed to theft from the mines. If this be the only explanation we must assume that during the three years prior to 1930 there has been as much mica stolen as won by honest means. Early in 1928 a bill was introduced into the Legislative Council of Bihar and Orissa, the purpose of which was an attempt to reduce the losses on this account by licensing miners and dealers, the bill was, however, rejected. In March, 1930, however, a similar bill to regulate the possession and transport of, and trading in, mica was passed, and from the figures presented since 1930, as analysed above, it appears that this bill may already have produced a good effect.

Tin, Copper, Silver and Lead—Following a series of years of practically continuous increase, a slight decrease in the production of tin ore in Burma is reported for the year 1931, during which the output amounted to 4,255.2 tons valued at Rs 33,07,380. In 1932, however, there was again an increase in production to 4,525 tons valued at Rs 45,09,995. This is the highest quantity (but not the highest total value, for which the smaller outputs of 1926, 1927, 1929, 1930 and 1931 showed higher figures) recorded in any one year. The considerable increase in the total value is, of course, mainly due to the rise in the price of the metal during

the year resulting from the tin restriction scheme in operation in the five leading tin producing countries, Malaya, Netherlands East Indies, Bolivia, Nigeria and Siam, a scheme to which India is not an adherent. This increase in output of some 270 tons is the balance of and increase from Tavoy and Mergui and a decrease from Mawchi in the Southern Shan States. Milling operations were suspended at Mawchi in August 1927 pending the installation of additional plant and further development. Milling was resumed in February 1930 and this explains the large increases of 1930 and 1931. The figure for 1932 includes 1,573.3 tons from Mawchi, calculated to be the proportion of tin ore in 2,732 tons of concentrates derived from mixed wolfram scheelite cassiterite ore, these concentrates are assumed to contain 43 per cent of wolfram and 57 per cent of cassiterite. There was no reported output of black tin.

Imports of unwrought tin increased from 41,969 cwts valued at Rs 36,28,556 in 1931 to 49,279 cwts valued at Rs 47,50,341 in 1932, over 98 per cent of these imports came from the Straits Settlements.

In contrast with the increase in the production of silver from the Bawdwin mines of Upper Burma, amounting to 1,400,291 ozs recorded during the four years, 1925 to 1928, the following years 1929, 1930 and 1931 were marked by decreases amounting to 124,211 ozs, 226,311 ozs, and 1,153,806 ozs respectively. In 1932, however, there was a small increase again, amounting to 98,556 ozs. These variations in quantity were accompanied by a small fall of value in 1929, marked falls in 1930 and 1931, and a marked rise in 1932. The output of silver obtained as a by-product from the Kolar gold mines of Mysore showed an increase of some 5,000 ozs. The amount of silver bullion and coin exported during the year was 34,664,148 ozs valued at Rs 4,15,61,144.

The production of lead-ore at the Burma Corporation's Bawdwin mines in Burma decreased further from 397,679 tons in 1931 to 372,586 tons in 1932, and the total amount of metal extracted decreased from 74,785 tons of lead (including 1,505 tons antimonial lead) valued at Rs 1,28,88,270 in 1931, to 71,202 tons of lead (including 642 tons of antimonial lead) valued at Rs 1,09,95,587 in 1932. The quantity of silver extracted from the Bawdwin ores rose slightly from 5,900,400 ozs valued at Rs 51,97,367 in 1931 to 5,998,956 ozs valued at Rs 62,32,915 in 1932. The value of the lead per ton fell from Rs 172.3 to Rs 154.5, whilst the value of the silver rose from Re 0.14-1 to Re 1.0-7 in the year 1932. The ore reserves in the Bawdwin mine, as calculated at the end of June, 1932, totalled 4,126,179 tons, against 4,233,120 tons at the end of June, 1931, with an average composition of 25.4 per cent of lead, 15.6 per cent of zinc, 0.68 per cent of copper and 19.7 ozs of silver per ton of lead. Included in this reserve are 37,000 tons of copper-ore. During the year development work in the Mengtha section, discovered in 1930, continued in yield satisfactory results.

Zinc—A monograph on zinc ores issued by the Imperial Institute in 1917 says that during the past fifty years zinc ores have received but little attention in India and no production was recorded until 1913. The

production of zinc concentrates by the Burma Corporation, Limited, in the Northern Shin States, fell from 51,455 tons valued at Rs 17,23,528 in 1931 to 44,484 tons valued at Rs 15,09,298 in 1932. The slight rise in the value per ton is parallel with a similar rise in the price of spelter. The exports during 1932 amounted to 49,950 tons valued at Rs 24,97,500 against 54,818 tons valued at Rs 28,41,250 in the preceding year.

Copper—In 1931 the mine output was 153,636 long tons of copper ore valued at Rs 22,71,940. 161,563 short tons of ore were treated for a production of 4,069 long tons of refined copper. 1,668 tons of this were sold in the Indian market at an average price of Rs 673 per ton. In addition there was a production of 3,637 tons of yellow metal, the average selling price in India being Rs 719 per ton.

Operations continued uninterrupted during the year 1932 at the Mosaboni Mine and at the works site at Maubhandar. The mine output increased to 175,010 long tons of copper-ore valued at Rs 25,09,080. 185,894 short tons of ore were treated in the mill and the production of refined copper amounted to 4,443 long tons. 3,441 tons were consumed in the rolling mill and 1,312 tons were sold in the Indian market at an average price of Rs 689 per ton. Operations in the rolling mill resulted in the production of 5,440 long tons of yellow metal, of which 4,830 were sold in India at an average price of Rs 657 per ton. The total ore reserves at the close of the year 1932 amounted to 700,466 short tons with an average assay value of 3.053 per cent of copper.

There was a considerable decrease in the production of coppermatte at the Namtu smelting plant of the Burma Corporation Limited, from 13,437 tons valued at Rs 32,25,003 in 1931, to 9,729 tons valued at Rs 19,81,499 and averaging 44.32 per cent of copper, 26.36 per cent of lead, and 83.72 ozs of silver to the ton. In addition 365 tons of copper ore valued at Rs 6,900 were produced in the Nel're district, Madras.

Gem Stones—The only precious and semi-precious stones at present mined in India are the diamond, ruby, sapphire, spinel, tourmaline, garnet, rock crystal, agate, cornelian, jadeite and amber. The production of diamonds in Central India rose from 639 carats valued at Rs 34,683 in 1931 to 1,254.1 carats valued at Rs 72,189 in 1932. Of this latter production

1,152.1 carats were produced in Panna State and the remainder in Charkhari, Ajigarh and Buxar.

A severe decline in the output from the Mogok ruby mines of Upper Burma in 1924, followed in 1925 by a marked drop in value, bore witness to a serious decline in the industry. The Burma Ruby Mines, Limited, ultimately decided to go into liquidation, and the mines were offered for sale in September, 1926. The skeleton organisation left in charge of the mines, however, made good use of its opportunities with the result that the value of the output in 1926 exceeded that of the previous year by over a lakh of rupees. This encouraging result was effected by a rigorous economy and an extension of a system of co-operation with local miners, and was assisted by some good finds of sapphires in the Kyaungdwin mine—the only one still worked by European methods.

During 1927, however, production fell in value by over 1½ lakhs of rupees, due mainly to a decrease in the value of the sapphires and spinels produced, there having been a slight increase in the value of the rubies. During 1928, there was another very large decline in value, amounting to over a lakh of rupees, due to a severe drop in the value of the sapphires produced as before. There was a slight increase in the value of the rubies. The value of the 1929 production was slightly above that of 1928, due to a considerable increase in the value of the rubies found, largely balanced by another large fall in the value of sapphires produced. In 1930 there was a further substantial fall in production and in total value, though the value per carat of the sapphires produced is the highest recorded for many years. Judging from reports in the *Rangoon Times* this is due to the opening up by the Burma Ruby Mines, Ltd., of the new Pagoda mine at Kathi leading to the find of a fine sapphire of 630 carats and a star sapphire of 293 carats. The find of a ruby of 100 carats was also reported. The great drop in production recorded in 1931 was due to the cessation of operations of the Burma Ruby Mines, Limited. Though the industry is in a very depressed state, work is still continued by local miners, but of this no reliable statistics are available. For 1932 no returns are available, except that a fine ruby of 17 carats was found at Chaunggyin near Mogok, and a fine sapphire of about 90 carats and a good star sapphire of 453 carats were mined at Kathi.

SALT

There was a large decrease in the total output of salt amounting to some 228,000 tons, shared by Madras (108,893 tons), Bombay and Sind (83,638 tons) and Northern India (43,317 tons), partially balanced by small increases in Aden (5,204 tons) and Burma (2,110 tons). Imports of salt into India increased slightly by 24,147 tons, all the countries of origin showing increases excepting Italian East Africa, Spain, and 'other countries'.

Quantity and value of Salt produced in India during the years 1931 and 1932

	1931			1932		
	Quantity	Value (£1=Rs 13 5)		Quantity	Value (£1=Rs 13 3)	
	Tons	Rs	£	Tons	Rs	£
Aden	286,037	31,69,172	234,753	291,241	32,24,898	242,474
Bombay and Sind	489,052	22,83,669	169,161	405,414	19,32,468	145,298
Burma	22,974	3,48,831	25,839	25,084	4,26,438	32,063
Gowahar	48	2,647	196	43	1,744	131
Madras	555,449	38,83,234	287,647	446,556	26,95,736	202,687
Northern India	485,840	39,53,406	292,845	442,523	36,72,140	276,101
TOTAL	1,839,400	1,36,40,959	1,010,441	1,610,861	1,19,53,433	898,754

Imports of Salt into India during the years 1931 and 1932

	1931			1932		
	Quantity	Value (£1=Rs 13 5)		Quantity	Value (£1=Rs 13 5)	
From—	Tons	Rs	£	Tons	Rs	£
United Kingdom	21,161	5,17,170	28,309	31,991	5,93,711	41,640
Germany	13,097	7,90,671	58,568	19,178	8,57,889	61,503
Spain	27,261	1,00,558	29,671	25,931	3,72,953	28,012
Aden and Dependencies	273,166	10,90,366	302,990	301,229	14,21,575	1,12,622
Egypt	6,907	5,80,985	13,031	18,509	5,61,095	12,191
Italian East Africa	109,901	15,30,617	113,379	96,500	13,27,121	99,781
Other countries	14,092	1,32,151	9,811	6,010	91,057	6,914
Total	528,594	80,42,798	595,762	552,741	82,32,507	618,986

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Production of Burma in 1922 Monographs on Mineral Resources published by the Imperial Institute Quinquennial Review of the Mineral Production of India for the years 1924-1928 (Records of the Geological Survey of India, Vol LXIV)

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Stock Exchanges.

There are about 475 Share and Stock Brokers in Bombay. They carry on business on the Brokers' Hall, bought in 1887 from the funds of the Share and Stock Brokers Association formed to facilitate the negotiations and the sale and purchase of Joint Stock securities promoted throughout the Presidency of Bombay. Their powers are defined by rules and regulations framed by the Board of Directors and approved by the general body of Brokers. The Board has the power to stop business in times of emergencies. The official address

of the Secretary is, Dalal Street, Fort, Bombay.

At first the admittance fee for a broker was Rs 5 which was gradually raised to Rs 7,000. The fee for the Brokers' card has increased. In 1921 a number of cards were sold at Rs 40,000 each and a few were employed to purchase in or the extension of the bus value of the card is about Rs 11,000.

In November 1917 a second Stock Exchange was opened in Bombay, with its headquarters in Apollo Street known as the **Bombay Stock**

Exchange, Ltd This separate Exchange no longer functions it was revived in 1922 It has ceased to function again

Committee of Enquiry—In 1923 the Government of Bombay appointed a Committee to enquire into the constitution, customs, practices, rules, regulations and methods of business of the Native Share and Stock Brokers' Association of Bombay and to investigate any such complaints of the public and to make any such enquiries with reference to any of the aforesaid matters or any other matter appertaining to the aforesaid Association as the Committee may deem proper and thereafter with a view to protect the investing public against the interested or irregular control of business to formulate such definite proposals for the future constitution, control, direction and regulation of the aforesaid Association as the Committee may deem proper

The Committee issued a report early in 1924 signed by all the members save one who appended a minority report The majority report made several important recommendations for reform notably one aimed at the prevention of corners and another for facilitating the handling of legitimate complaints against the brokers on the part of the public The Association, however, adopted the minority report which leaves the constitution and practice of the Exchange very little modified

In the middle of the year 1925 there was heavy speculation in certain mill scrips The market was tremendously oversold, the usual crisis ensued, leading to the temporary closing of the Exchange and the suspension of all dealings and a public agitation for thorough reform arose The brokers were at first unwilling to yield to this demand. But a threat of Government intervention and control altered their attitude In the end, they submitted new draft rules under which wild speculation will be discouraged and the recurrence of such crisis as that indicated above will be unlikely

For many years the Calcutta Share Market met in the open air in business quarters and was under no control except that of market custom In 1908 the Calcutta Stock Exchange Association was formed, and the existing customs were focussed into rules drawn up for the conduct of business Public confidence grew rapidly and the rules regarding membership and business underwent drastic changes to suit advancing conditions The Great War, having given an impetus to Indian industries, was responsible for an astoundingly large volume of business in the market which culminated in a boom

In June 1923, the Association was incorporated into a Limited Company under the Indian Companies Acts 1913 1920 with an authorised capital of Rs 3 lakhs divided into 300 fully paid up shares of 1,000 each Accounts are made up annually up to 30th September At the present moment, the number of shares subscribed is 223, each firm owning, and being entitled to own, only one share

The total number of members, including partners and assistants of member firms, is a little above 560 The Committee has restric-

ted the further sale of new shares until it deems it necessary to revise its decision, exception being made in the case of a partner dissociating from an existing firm Anyone intending to become a member is required to purchase a share from a member and the admission fee charged by the Association is Rs 5,000 The conduct of members and of business is controlled by bye laws, customs and usages being fully honoured The market customs differ from those of most other Stock Exchanges, since there are no settlement days, delivery is due the second day after the contract is passed, and sales of securities are effected for most part under blank transfers It has not got jobbers like the London Stock Exchange, but the brokers mostly combine the function of dealers The principle business transacted is connected with the shares in Jute Mills, Coal Companies, Tea Companies registered in India, miscellaneous industrial concerns (such as paper, flour etc) Railway Companies and Debentures, the latter representing those of industrial concerns and Trustees Investment Securities, namely, Municipal, Port Trust and Improvement Trust Debentures

A general meeting of the shareholders annually elects a Committee which elects several Sub-Committees and Hon Office Bearers—the President, two Joint Hon Treasurers and the Hon Secretary The Committee is empowered to do all work on behalf of the Association, which in its turn delegates powers to the Sub-Committees and the Hon Office Bearers The Committee also adjudicates in disputes between members thus enabling the members to avoid law Courts in most cases

Committee for 1934—Kedarnath Khandelwal, B A, LL B, President J S Haywood, G C Montgomery, O A Cohen, J S Kori, Gobind Tall Binger Mahulram Sonthalia, Rai Rameswar Nathany, Bihardur Jagannath Thunjunwalla, Sirbotosh Sen, Shambhu Nath Dutt, Itendra Mohan Dutt, M Sc, Gorilall Seal and Barendra Tall Chitradevi

Joint Honorary Treasurers—Rai Rameswar Nathany Bihardur and Gorilall Seal

Hon Secretary—Satya Ranjan Mitra, B A, B L

The Stock Exchange has its own building at 7, Lyons Range This building—one of the finest specimen of its kind—was opened on 6th July, 1928, by Sir Stanley Jackson, the Governor of Bengal The ground floor is utilised for the Association Hall where members meet between 12 noon and 5 p m This floor also contains the offices of the Association, a well equipped Library and several retiring places for the benefit of the members The upper three floors are tenanted by members' offices

The Madras Stock Exchange situated at No 9 Broadway consists of about 100 Members of which 25 are working Members It was opened on 6th April 1920 and deals principally in Mill shares Business is regulated by rules drawn up by the Directors There is a Board of arbitration There is an admittance membership card of Rs 1,000 and an annual subscription of Rs 100 The original 100 members were elected by the first Directors and each of the working members have deposited a security of Rs 3,000

Chambers of Commerce.

Modern commerce in India was built up by merchants from the west and was for a long time entirely in their hands. Chambers of Commerce and numerous kindred Associations were formed by them for its protection and assistance. But Indians have in recent years, taken a large and growing part in this commercial life. The extent of their participation varies greatly in different parts of India, according to the natural proclivities and genius of different races. Bombay, for instance, has led the way in the industrial and commercial regeneration of the new India, while Bengal, very active in other fields of activity, lags behind in this one. Arising from these circumstances we find Chambers of Commerce in Bombay, Karachi, Calcutta, Madras and other important centres, with a membership both European and Indian but alongside these have sprung up in recent years certain Associations such as the Bombay Indian Merchants' Chamber and Bureau, of which the membership is exclusively Indian. These different classes of bodies are in no sense hostile to one another and constantly work in association.

The London Chamber of Commerce in 1921 realizing the increasing attention demanded by the economic development of India, took steps to form an "East India Section" of their organization. The Indian Chambers work harmoniously with this body, but are in no sense affiliated to it, nor is there at present any inclination on their part to enter into such close relationship, because it is generally felt that the Indian Chambers can themselves achieve their objects better and more effectively than a London body could do for them, and on various occasions the London Chamber, or the East India Section of it have shown themselves out of touch with what seemed locally to be immediate requirements in particular matters.

A new movement was started in 1913 by the Hon. Sir Fazulbhoy Currimbhoy Ibrahim, a leading millowner and public citizen of Bombay, which aims at effecting great improvement in strengthening Indian commercial organization. Sir Fazulbhoy's original plan was for the formation of an Indian Commercial Congress. The proposal met with approval in all parts of India. The scheme was delayed by the outbreak of war but afterwards received an impetus from the same cause and the first Congress was held in the 1915 Christmas holiday season, in the Town Hall, Bombay. The list of members of the Reception Committee showed that all the important commercial associations of Bombay were prepared to co-operate actively.

The Congress was attended by several hundred delegates from all parts of India. Mr. (now the Hon. Sir) D. L. Wacha, President of the Bombay Indian Merchants' Chamber, presided as Chairman of the Reception Committee, at the opening of the proceedings and the first business was the election of Sir Fazulbhoy Currimbhoy as the first President. The Congress resolved upon the establishment of an Associated Indian Chamber of Commerce, and elected a Provincial Committee empowered to

take the necessary steps to get the Association registered and to enrol members and carry on work. The Congress also approved of the draft constitution.

The following are the principal paragraphs of a Memorandum of Association and Statement of Objects of the new Associated Chamber as approved by the Congress—

I The name of the Chamber will be "THE ASSOCIATED INDIAN CHAMBER OF COMMERCE."

II The Registered Office of the Chamber will be in Bombay.

III The objects for which the Chamber is established are—

- (1) To discuss and consider questions concerning and affecting trade, commerce, manufactures and the shipping interests, at meeting of delegates from Indian Chambers of Commerce and Commercial Associations or Bodies and to collect and disseminate information from time to time on matters affecting the common interests of such Chambers or Associations or Bodies and the commercial, manufacturing and shipping interests of the country.
- (2) To attain those advantages by united action which each Chamber or Association or body may not be able to accomplish in its separate capacity.
- (3) To organize Chambers of Commerce, Commercial Associations or Bodies in different trade centres of the Country.
- (4) To convene when necessary the Indian Commercial Congress at such places and at such times as may be determined by a Resolution of the Chamber.

The Articles of Association provided "There shall be an annual meeting of the Associated Indian Chamber held at Bombay on a date to be fixed by the Executive Council in the month of February," or at some other time, and "semi-annual or special meetings may be convened by the Executive Council or on the requisition of one third of the total number of members addressed to the Secretary."

The organization languished for lack of support for some years until a number of merchants specially interested in Currency and Exchange questions revived it in 1926 at Delhi and 1927 at Calcutta, the initiative in the new activities hailing, like the first movement, from Bombay. The Commercial Congress held in Calcutta on 31st December 1926 and 1st and 2nd January 1927, decided upon the formation of a "Federation of Indian Chambers of Commerce and agreed to the registered office of this body being "at the place where the President for the year has his headquarters or where he directs it to be located." Among the objects for which the Federation is established are the following—

- (a) To promote Indian businesses in matters of inland and foreign trade, transport, industry and manufactures, finance and all other economic subjects.

- (b) To encourage friendly feeling and unanimity among business community and associations on all subjects connected with the common good of Indian business
- (c) To enter into any arrangement with any Government or authority supreme, municipal, local or otherwise that may seem conducive to the Federation's objects or any of them, and to obtain from any such Government or authority all rights, concessions, and privileges which the Federation may think it desirable to obtain and to carry out, exercise and comply with any such arrangements, rights, privileges and concessions
- (d) To sell or dispose of the undertaking of the Federation or any part thereof for such consideration as the Federation may think fit and in particular for shares, debentures or securities of any other company having objects altogether or in part similar to those of this Federation
- (e) To take or otherwise acquire and hold shares in any other company having objects altogether or in part similar to those of this Federation
- (f) To undertake and execute any trusts the undertaking of which may seem to the Federation desirable either gratuitously or otherwise
- (g) To draw, make, accept, discount, execute and issue bills of exchange, promissory notes, bills of lading, warrants, debentures and other negotiable or transferable instruments or securities

The Rules provide for two classes of members, viz, numbers consisting of Chambers of Com-

merce (Subscription Rs 300) and others consisting of Commercial Associations (Subscription Rs 150)

The following are the Committee of the Federation for 1934 —

President — Mr Kāstubbhāi Lalbhāi

Vice President — Lālā Padampat Singhania

Members of the Committee — Mr Nalini Ranjan Sarker (Bengal National Chamber of Commerce, Calcutta), Lālā Shri Ram (Delhi Factory-owners Federation, Delhi), Mr G D Birla (Indian Chamber of Commerce, Calcutta), Sri Purshotamdas Thakurdas, Kt, CIE, MBE, (Indian Merchants' Chamber, Bombay), Mr Walchand Hirachand (Maharashtra Chamber of Commerce, Bombay), Raj Ratna Seth Chinnimal Girdharilal (Baroda Millowners Association, Baroda), Seth Mathuradas Vissani (Indian Merchants' Chamber, Bombay), Rao Bahadur Shivratna G Mohatta (Karachi Indian Merchants' Association, Karachi), Mr A D Shroff (Indian Merchants' Chamber, Bombay), Mr P S Sodhbans (Indian Chamber of Commerce, Lahore), Mr Vidya Sagar Prandya, M.L.A., (Southern Indian Chamber of Commerce, Madras)

Honorary Treasurers — Mr D P Khutani (Indian Chamber of Commerce, Calcutta) Sir Hari Sanker Paul, Kt, M.L.C. (Bengal National Chamber of Commerce, Calcutta)

Co-opted Members — Seth Haji Abdooli Haroon, M.L.A., Karachi, Mr B Das, M.L.A., Cuttack, Rai Upendra Lal Roy Bahadur, Chittagong, Mr Chinnimal B Mehta, Bombay, Mr Amrit Lal Ojha, Calcutta, Mr M Muhammad Ismail, Madras

Secretary — Mr D G Mullickar

Office address — Parkore's Nālā, Ahmedabad

Telegraphic address — Unicomind, Ahmedabad

BENGAL

The Bengal Chamber of Commerce was founded in 1834. Its headquarters are in Calcutta. Other societies connected with the trade and commerce of the city are the Royal Exchange, the Bengal Bonded Warehouse Association, the Calcutta Trades Association, the Bengal National Chamber of Commerce and the Marwari Chamber of Commerce. The Bengal Chamber is registered with a declaration of membership of 300. Its objects are the usual purposes connected with the protection of trade "in particular in Calcutta". There are two classes of members: Permanent (Chamber and Associated) and Honorary.

Merchants, bankers, shipowners, representatives of commercial, railway and insurance companies, brokers, persons and firms engaged in commerce, agriculture, mining or manufacture, and joint stock companies or other corporations, formed for any purpose or object connected with commerce, agriculture, mining or manufacture, and persons engaged in or

connected with art, science or literature, may be elected as permanent members of the Chamber.

The following are the office bearers of the Chamber for the year 1933-34 —

President — Mr J S Henderson, (Messrs Mackinnon, Mackenzie & Co)

Vice President — Mr J Reid Kay, (Messrs James Finlay & Co, Ltd)

Members — Mr Alec Aikman, (Messrs Andrew Yule & Co), Mr H F Bateman, (Messrs Shaw, Wallace & Co), The Hon'ble Sir D C Benthall, (Messrs Bird & Co), Mr R D Cromartie, (The Mercantile Bank of India, Ltd), Mr H A M Hannay, (Agent, Eastern Bengal Railway), Mr L V Heathcote, (The Burma Shell Oil Storage & Distributing Co of India, Ltd), Mr R A Towler, (Messrs McLeod & Co)

The Secretary of the Chamber is Mr A C Daniel. Assistant Secretary, Mr D C Fairbairn.

The following are the public bodies (among others) to which the Chamber has the right of

returning representatives, and the representatives returned, for the current year

The Council of State—The Honble Mr J S Henderson

The Bengal Legislative Council—Mr G R Dain CII, (Calcutta Highways Co Ltd), Mr H H Burn, (McLeod & Co), Mr C R Sunover, (Kilburn & Co), Mr C J Miller, (Horse Miller & Co Ltd), Mr W H Thompson, (Bengal Telephone), Mr Henry Birkmyre, (Birkmyre Brothers)

The Calcutta Port Trust—Mr M A Hughes, (Turner Morrison & Co Ltd), Mr S D Gladstone, (Gillanders Arbuthnot & Co), Mr G R Campbell, Mackinnon, (Mackenzie & Co Ltd), Mr A L B Tucker, (Kilburn & Co), Mr K J Nicholson, (Gladstone, Wallie & Co), Mr J Reid Kiv, (James Finlay & Co, Ltd)

The Calcutta Municipal Corporation—Mr I Rooney, (Bengal Telephone Co Ltd), Mr G U Pottinger, (Burmah Shell), Mr N G Herbert, (Imperial Chemical Industries Co Ltd), Mr A M Playfair, (Macneil & Co), Mr C H Holmes, (Holmes Wilson & Co Ltd), Mr K G Sillar, (Calcutta Electric Supply Corporation Ltd)

The Board of Trustees for the Improvement of Calcutta—Mr W H Thompson, MLC (Bengal Telephone Co, Ltd)

The Bengal Boiler Commission—Mr W Gow, (Burn & Co Ltd), Mr H H Reynolds, MLC (Ind), MLC, Mr J Williamson, MLC (Ind), MLC

The Bengal Smoke Nuisances Commission—Mr E J R Girdiner, Mr G A Robertson

The Chamber elects representatives to various other bodies of less importance, such as the committee of the Calcutta Sailors' Home, and to numerous subsidiary associations. The following are the recognised associations of the Bengal Chamber of Commerce—

Calcutta Gram Oilseed and Rice Association, Indian Jute Mills Association, Indian Tea Association, Calcutta Tea Traders' Association, Calcutta Fire Insurance Association, Calcutta Import Trade Association, Calcutta Marine Insurance Association, The Wine, Spirit and Beer Association of India, Indian Mining Association, Calcutta Baled Jute Association, Indian Paper Makers' Asso-

ciation, Indian Engineering Association, Calcutta Jute Fabrics Shippers' Association, Calcutta Hydraulic Press Association, Jute Jute Brokers Association, Calcutta Piled Jute Shippers Association, Calcutta Jute Dealers Association, Calcutta Hide and Skin Shippers Association, Calcutta Sugar Importers Association, Calcutta Accident Insurance Association, Calcutta Flour Mills Association, Calcutta River Transport Association, and the Master-Stewards Association

The Chamber maintains a Tribunal of Arbitration for the determination, settlement and adjustment of disputes and differences relating to trade, business, manufacture, and to customs of trade, between parties all or any of whom reside or carry on business personally or by agent or otherwise in Calcutta, or elsewhere in India or Burmah, by whom order of such parties the said disputes and differences be submitted. The Secretary of the Chamber acts as the Registrar of the Tribunal, which consists of such members or assistants to members as may, from time to time annually or otherwise be selected by the Registrar and willing to serve on the Tribunal. The Registrar from time to time makes a list of such members and assistants.

The Chamber also maintains a Licensed Measurers Department controlled by a special committee. It includes a Superintendent (Mr R Ellis), Head Office Manager (Mr C G Smith) and Assistant Superintendents (Messrs J G Smyth, G C G Smyth, J B I Henfrey and B Perry), and the staff at the time of the last official returns consisted of 100 officers. The usual system of work for the benefit of the trade of the port is followed. The Department has its own provident fund and compassionate funds and Measurers' Club. The Chamber does not assist in the preparation of official statistical returns. It publishes weekly the *Calcutta Prices Current*, and also publishes a large number of statistical circulars of various descriptions in addition to a monthly abstract of proceedings and many other circulars on matters under discussion.

INDIAN CHAMBER OF COMMERCE, CALCUTTA.

The Indian Chamber of Commerce was established in November 1925 to promote and protect the trade, commerce and industries of India and in particular the trade, commerce and industries in or with which Indians are engaged or concerned, to aid and stimulate the development of trade, commerce and industries in India with capital principally provided by or under the management of Indians, to watch over and protect the general commercial interests of India or any part thereof, and the interests of persons, in particular the Indians, engaged in trade, commerce or industries in India, to adjust controversies between members of this Chamber, to arbitrate in the settlement of disputes arising out of commercial transactions between parties willing or agreeing to

abide by the judgment and decision of the Tribunal of the Chamber, to promote and advance commercial and technical education and such study of different branches of Art and Science as may tend to develop trade, commerce and industries in India, to provide, regulate and maintain a suitable building or room or suitable buildings or rooms for a Commercial Exchange in Calcutta, and to do all such other things as may be conducive to the development of trade, commerce and industries, or incidental to attainment of the above objects or any of them.

There are two classes of Members, local and mofussil. The local Members pay an annual subscription of Rs 100 and the Mofussil

members Rs 50 Merchants, Bankers, Ship-owners, representatives of commercial, transport or insurance companies, brokers and persons engaged in commerce, agriculture, mining or manufacture, and persons engaged in or connected with art, science or literature who are Indians shall be eligible for election as members of the Chamber

The following constitute the Managing Committee of the Chamber for the year 1933 —

President—Mr A L Ojha

Senior Vice President—Mr K L Jitir

Vice President—J P Dutta

Members—G D Birla, Mr D P Khaitan, Mr S K Bhatler, Mr Fuzulla Gungjee, Mr G L Mehta, Mr Mohanlal Lalubhai, Mr M K Powar, Mr N L Pun, Mr K J Purohit, Mr C K Parekh, Mr Anandji Haridas, Mr H P Bagaria, Mr Kassim A Mohamed, Mr Habib Mohamed, Mr Kedarnath Khindewal, Mr Gourishanker Dalmiya, Mr S B Sen and Dr M Sanyal

Secretary—Mr M P Gandhi, M A, F R E S, F S S

The following Associations are affiliated with the Chamber—Indian Sugar Mills' Association, Jute Balers Association, Indian Produce Association, East India Jute Association, Indian Merchants' Association, Calcutta Rice Merchants' Association, Calcutta Kiran Association, Bengal Jute Dealers' Association, Gunny Trades Association and Shareholders' Association

The Indian Chamber of Commerce also appointed in 1927 a Tribunal of Arbitration to arbitrate in all disputes relating to various trades. With a view to cover the varying nature of disputes arising in different trades, separate panels of Arbitration are appointed on the Tribunal of Arbitration for each of the following trades—(1) Jute, (2) Gunny, (3) Piece-goods and Yarn, (4) Iron and Steel, (5) Coal and Minerals, (6) General

Chamber's representatives on—

Calcutta Port Commissioners Mr G L Mehta
Bengal Nagpur Railway Local Advisory Committee Mr K J Purohit

Last Indian Railway Local Advisory Committee Mr D P Khaitan

Eastern Bengal Local Advisory Committee Mr. R Chakravarty

Board of Apprenticeship Training Mr A L Ojha

Railway Rates Advisory Committee Messrs Anandji Haridas, H P Bagaria, G D Birla, Fuzulla Gungjee and D P Khaitan

Calcutta Society for the Prevention of Cruelty to Animals Mr Kassim A Mohamed

Bengal Conciliation Panel Messrs D P Khaitan, Anandji Haridas, and N Rajabally
Bengal Pilotage Dues Committee Mr K J Purohit

Chamber's Auditors Messrs S R Bathoi & Co

INTERNATIONAL CHAMBER OF COMMERCE, INDIAN NATIONAL COMMITTEE, BOMBAY

The Indian National Committee of the International Chamber of Commerce was established for the following purposes in the year 1928 —

- (a) To participate in the promotion of the objects for which the International Chamber of Commerce, hereinafter called the "International Chamber", is established, namely
- (i) To facilitate the commercial intercourse of countries
- (ii) To secure harmony of action on all international questions affecting finance, industry and commerce
- (iii) To encourage progress and to promote peace and cordial relations among countries and their citizens by the co-operation of business men and organizations devoted to the development of commerce and industry

The Indian National Committee has on its roll 40 commercial bodies as Organisation Members and 60 commercial firms as Associate Members

OFFICE-BEARERS FOR THE YEAR 1933

President—Lala Shri Ram

Vice President—Mr Hoosenbhooy A Lalljee

Members of the Executive Committee—Mr Kasturbhai Lalbhai (Ahmedabad Millowners' Association, Ahmedabad), Mr Walchand Hirachand (Maharashtra Chamber of Commerce, Bombay), Sir Purshotundis Thakurdas, Kt, CIL, MBL (Indian Merchants' Chamber, Bombay), Mr G D Birla, (Federation of Indian Chambers of Commerce and Industry), Mr D P Khaitan, (Federation of Indian Chambers of Commerce and Industry), Mr Nalin Ranjan Sarkar (Bengal National Chamber of Commerce, Calcutta), Mr Amritlal Ojha, (Indian Chamber of Commerce, Calcutta), Mr Chunilal B Mehta, (Bombay Bullion Exchange, Bombay), Mr Fakirjee Cowasjee (Federation of Indian Chambers of Commerce and Industry), Mr Mohamed Ismail, (Federation of Indian Chambers of Commerce and Industry), Mr Mathuradas Vissani, (Federation of Indian Chambers of Commerce and Industry), and L Padampat Singhani (Merchants Chamber of United Provinces, Cawnpore)

Co-opted—Mr B Das, M L A, Mr Ebrahim G Currimbhoy, Raja Ratna Sheth Bhambhalbhai D Amin, Mr M A Master and Mr M L Dahanukar

Ex Officio—Mr D S Brulkar and Mr K P Mehta (Representatives on the Council of the International Chamber of Commerce)

Honorary Treasurer—Mr R L Nopany

Secretary—Mr J K Mehta

Assistant Secretary—A C Ramalingham

Bombay Legislative Council Mr J B

Petit

Bombay Port Trust Mr A Geddiss

Victoria Jubilee Technical Institute Mr V N Chandavarkar

Bombay Smole Nuisances Commission Messrs W J Webb and W A Sutherland

Advisory Board of Sydenham College of Commerce and Economics Mr Dharamsi Mulraj Khatrau

Central Cotton Committee Mr S D Saklatvala

Development of Bombay Advisory Committee Mr Jehangir B Petit

G I P Railway Advisory Committee Mr A Geddiss

B B & C I Railway Advisory Committee Mr H P Mody

Bombay Municipal Corporation Mr H P Mody

University of Bombay Mr Jehangir B Petit

Royal Institute of Science Mr H P Mody

The Office of the Association is located at 2nd Floor, Patel House, Churchgate Street, Fort, Bombay, and the telephone number is 25350

Millowners' Mutual Insurance Association, Ltd

The Millowners' Mutual Insurance Association, Ltd, was registered on 30th June 1924, as a Company limited by guarantee. The registered office of the Association is located in Patel House, Churchgate Street, Fort, Bombay.

The objects of the Association are —

(a) The mutual insurance of members of the Company against liability to pay compensation or damages to workmen employed by them or their dependants for injuries or accidents fatal or otherwise, arising out of and in the course of their employment, (b) the insurance of members of the Company against loss or damage by or incidental to fire, lightning, etc., and (c) to reinsure or in any way provide for or against the liability of the Company upon any assurances granted or entered into by the Company and generally to effect and obtain re-insurances, counterinsurances and counter guarantees, etc., etc.

The Association consisted of 56 members on 1st October, 1933

All members of the Millowners' Association are eligible for admission to the Mutual Company. Non-members are also eligible for membership of the Mutual, provided their application is approved of by the Committee of the Millowners' Association.

The affairs of the Mutual Insurance Association are under the control of a Board of Directors.

The present Directors are —

Mr A Geddiss (Chairman)

The Hon'ble Sir Munmohandas Ramji, Kt, Sir Ness Wadia KBE CIE, Sir Joseph Kay, Kt, Sir Chunilal V Mehta, KCSI, Ratansi D Morari, Esq, S D Saklatvala, Esq, F Stones, Esq, OBE, and A C M Cursetjee, Esq, MA, LLB, Secretary of the Association

Indian Merchants' Chamber

The Indian Merchants Chamber was established in the year 1907. Its objects are —

- (a) To encourage friendly feeling and unanimity among business community on all subjects connected with the common good of Indian merchants
- (b) To secure organised action on all subjects relating to the interests of the Indian business community directly and indirectly
- (c) To promote the objects of the Indian business community in matters of inland and foreign trade, shipping and transport, industry and manufacture, banking and insurance
- (d) To collect and disseminate statistical and other information securing the promotion of the objects of the Chamber, and to make efforts for the spread of commercial and economic knowledge
- (e) To take all steps which may be necessary for promoting, supporting or opposing legislation or other action affecting the aforesaid interests by the Government or any Department thereof or by any local body or bodies and in general to take the initiative to secure the welfare of the business community in all respects
- (f) To make representations to Local, Central or Imperial authorities, Executive or Legislative, on any matter affecting trade, commerce, manufacture or shipping, banking or insurance
- (g) To undertake by arbitration the settlement of commercial disputes between merchants and businessmen and also to provide for arbitration in respect of disputes arising in the course of trade, industry or transport, and to secure the services of expert technical and other men to that end if necessary or desirable
- (h) To advance and promote commercial and technical education and to found and support establishments and institutions for such purposes
- (i) To undertake special enquiries and action for securing redress for legitimate grievances of any branch of trade or industry as also all such other action as may be conducive to the extension of trade, commerce or manufacture or incidental to the attainment of the above objects
- (j) To secure the interests and well-being of the Indian business communities abroad
- (k) To secure, wherever possible, organised and/or concerted action on all subjects involving the interests of members including 'regulating conditions of employment of industrial labour' in various industries represented by the members of the Organisation

- (ii) To nominate delegates and advisers, etc., to represent the employers of India at the Annual International Labour Conference of the League of Nations
- (iii) To take up, consider and formulate ideas on the subjects which are on the Agenda of each International Labour Conference
- (iv) To take all steps which may be necessary for promoting, supporting or opposing recommendations or conventions of the International Labour Conference
- (v) And generally to do all that may be necessary in the interests of the realisation of the above objects of the Chamber directly or indirectly

There are three classes of members —

- (1) Ordinary, (2) Patrons and (3) Honorary.
- (1) There are three classes of ordinary members —

(a)—Residents of Bombay and its suburbs who will have to pay Rs 75 as annual subscription, but joint stock Companies will have to pay Rs 100 per year.

(b)—Mofussil members who will have to pay Rs. 25 as annual subscription

(c)—Associations which will have to pay Rs 125 as annual subscription

Admission Fee—All the ordinary members and patrons pay Rs 100 as admission fee which is credited to a capital fund of the Chamber and not expended on revenue account except with the consent of the general body

- (2) Patrons—Indian firms or individual Indian merchants can join as Patrons. Firms will have to pay Rs 5,000 and individuals Rs 2,500 as donation, the proceeds of which will be credited to a capital fund which shall not be expended on revenue account but the interest whereof shall be taken to revenue account

- (3) Honorary members—Gentlemen distinguished for public services or eminent in commerce and manufactures or otherwise interested in the aims and objects of the Chamber may be elected as Honorary members by a General Meeting of the Chamber on the recommendation of the Committee and as such shall be exempted from paying subscriptions. They shall not be entitled to vote at any meeting of the Chamber nor shall they be eligible to serve on the Committee.

Any Indian gentleman, firm or association engaged in mercantile pursuits or interested in trade and commerce desirous of joining the Chamber shall be eligible for membership

The following bodies are connected directly and indirectly with the Chamber —

The Grain Merchants' Association (which is a member)

The Bombay Rice Merchants' Association

The Bombay Yarn Copper and Brass Native Merchants Association

The Bombay Shroff Association
The Bombay Pearl Merchants' and Jewellers' Association

The Bombay Bullion Exchange, Ltd
The Japan and Shanghai Silk Merchants' Association, Bombay

The Sugar Merchants' Association
The Maharashtra Chamber of Commerce, Bombay

The Bombay Grain Dealers' Association, Bombay

The Bombay Glass Bangles Merchants Association, Bombay

The Bombay Iron Merchants' Association
The Chamber of Income Tax Consultants
The Indian National Steamship Owners Association

The Seeds Traders' Association
The Indian Insurance Co's Association
The Karam Merchants' Association
The Indian Match Manufacturers' Association
The Coal Merchants' Association
The Swadeshi Market Committee
Shree Mahan Association
The Gum Merchants' Association
The Muccadam Association
The Society of Indian Accountants and Auditors

Under the Montagu Chelmsford Reforms, the Chamber has the right of electing one representative on the Indian Legislative Assembly and one on the Bombay Legislative Council. The Chamber also has the right to elect five representatives on the Bombay Port Trust, one representative on the Bombay Municipal Corporation, and one representative on the Improvement Committee.

The following are the Office-bearers of the Indian Merchants' Chamber for the year 1934 —

President—Seth Mathuradas Vissanji Khimji
Vice-President—Mr Manu Subedar

Members—Mr J C Setalvad, Mr A D Shroff, Seth Lulu Narani, Seth Mathuradas Chinji Matani, Prof Khushal T Shah, Mr Jal A D Nioroji, Mr Bhavnani A Khimji, Mr Velji Lakhamsi Nipoo, Prof Sohrab R Datar, Mr Vithaldas D Govindji, Mr M C Ghai, Mr Dhurajlal C Modi, Mr Anantlal Kalidas, Mr Nandlal M Bhuta, Mr Mangaldas B Mehta, Mr E R Hirjibehedin, Mr Sarabhai Prataprav, Seth Walchand Hirachand, Mr S N Pochkhra-nawalla, Mr Behram N Karanjia, Mr Keshav-prasad C Desai, Mr Thakoral H Vakil, Mr Hooseimbhoy A Lalljee

Co opted—Sir Cowasji Jehangir (Jr), Kesi, Mr Rahmtoola M Chnoy, Mr Lachh-mandas H Daga, The Bombay Shroff Association, (Mr Mohanlal A Parekh) The Sugar Merchants Association, (Mr Jagjivan Ujamsi Mulji) The Maharashtra Chamber of Commerce, (Mr M L Dahinukar), The Indian Match Manufacturers Association, (Mr R N Futchally), The Bombay Bullion Exchange Ltd, (Mr Chundlal B Mehta), The Bombay Grain Dealers Association, (Mr Khimji M Bhujpurji), The Bombay Rice Merchants Association, (Mr Mathuradas C Matani), The Karam Merchants

Association, (Mr D P Tata) The Pearl Merchants and Jewellers Association, (Mr Gulabchand Nemchand) The Swadehi Market Committee (Mrs Jilvadi K. Munshi)

Local Office—Sir Purshotamdas Thakurdas, C.I.I., M.B.I., (Bombay Port Trust) Mr J. R. Turse, (Bombay Port Trust) Mr Ratilal M. Gandhi, (Bombay Port Trust) Mr Gordhudas G. Morarjee (Bombay Port Trust and G. I. P. Railway Local Advisory Committee) Paji Bahadur Govindlal Shrivast (Bombay Municipal Corporation) Mr Nandlal S. Master (Bombay University Senate) Mr Kapilram H. Vaid (Advisory Committee of the Royal Institute of Science), Mr R. P. Misra (B. I. & C. I. Railway Local Advisory Committee) Mr M. A. Master (Government of the I. M. M. S. Duffryn) Mr K. S. Panchchandra Iyer, (Bombay Road Board) Mr Chundil J. Mehta, (Indian Central Cotton Committee)

Secretary—Mr J. K. Mehta, M. A.
Assistant Secretary—Mr A. H. Mura, I. S. C. (Lit), and Mr A. C. Ramdhanu.

The following are the Chambers representatives on various public bodies—

Representatives on the Board of Trustees of the Port Trust—Sir Purshotamdas Thakurdas, C.I.I., M.B.I. (Cotton) Mr Gordhudas G. Morarjee (Piece-Goods) Mr Ratilal Gandhi (Grain and Seeds) Mr A. D. Shroff, (General), Mr Panchchandra R. Turse, (General)

Bombay Municipal Corporation—Raji J. Shrivast Govindlal Shrivast

Advisory Committee of the Bombay Development Department—Mr Manu Subedar

Indian Central Cotton Committee—Mr Chundil B. Mehta

Advisory Committee of the Royal Institute of Science in Bombay—Mr Kapilram H. Vaid

Local Advisory Committee of Railways—

G. I. P. Railway—Mr Gordhudas G. Morarjee
B. & C. I. Railway—Mr R. P. Misra

Railway Rates Advisory Committee—Sir Purshotamdas Thakurdas, C.I.I., M.B.I.
Sir Munnochandis Ramji, Kt., The Honble Sir Phiroze C. Sethna, O.B.E., Mr Manu Subedar, Mr K. H. Vakil

Governing Body of the Indian Mercantile Marine Training Ship Duffryn—Mr M. A. Master

Senate of Bombay University—Mr Nandlal S. Master

Trade Control Committee (Bombay)—Mr J. P. Tatre

Bombay Port Board—Mr K. S. R. Iyer

Indian Seaborne Port Committee—Mr M. A. Master

Bombay Piece-Goods Native Merchants' Association

The objects of the Association are as follows—

(a) To promote by every means friendly feelings and unity among the merchants, the business of the piece-goods trade in general at Bombay and to protect the interests thereof (b) to remove as far as it will be within the powers of the Association to do so all the trade difficulties of the piece-goods business and to frame such laws of conduct as will facilitate the trade (c) to collect and report statistics relating to piece-goods and to correspond with public bodies on matters affecting trade, and which may be deemed advisable for the protection and advancement of objects of the Association or any of them and (d) to hear and decide dispute that may be referred to for arbitration

The following are the office bearers for the current year—

Chairman—Sir Munnochandis Ramji, Kt., J. I.

Deputy Chairman—Mr Harjiwan Vajji

Secretary—Mr Nandlal Haribhai, J. P.

Hon. Treasurer—Mr Mulji Laxmidas

Grain Merchants' Association

The object of this body is to promote the interests of the merchants and to put the grain and oil-seeds trade on a sound footing. It is an influential body or large membership. The office holders for the current year are as follows—

Chairman—Mr Vajji Ishambai, B. A., M. B.

Vice Chairman—Mr Ratilal Harji

Hon. Secretary—Mr Ishambai Ghatghar

Secretary—Mr Uttaram Ambaram, B. A., M. B.

Hon. Secretary—Mr Jidvijayisingi

Acting Secretary—Mr Gumpiram Nirottam Raval

The address of the Association is 262, Masjid Bunder Road, Munday Post, Bombay

MAHARASHTRA CHAMBER OF COMMERCE

The Maharashtra Chamber of Commerce was started in September 1927 with the object of establishing friendly relations among merchants and factory owners of Maharashtra, safeguarding their interests against measures likely to affect them adversely, collecting financial, industrial and trade statistics, and disseminating information thereabout amongst members of the Chamber

Membership of the Chamber is confined to merchants and factory-owners belonging to the City of Bombay, Bombay Suburban District, Poona, Sholapur, Satara, Ratnagiri, Kolaba,

Nasik, Ahmednagar, Thana and Last and West Khandesh and Belgaum and Indian States adjoining these districts

President—Mr Walchand Hirachand

Vice-Presidents—R. B. Hanumantram Rannath, R. B. Iyaman Vishwanath Pophale, Mr M. L. Dahanukar

Secretary—Mr D. V. Kelkar, M. A.

The offices of the Chamber are in the Phoenix Building, Graham Road, Ballard Estate, Bombay

KARACHI

The objects and duties of the Karachi Chamber of Commerce are set forth in terms similar to those of Bombay. Qualifications for membership are also similar. Honorary Membership may be conferred by the Committee upon "any gentlemen interested in the affairs and objects of the Chamber." All new members joining the Chamber pay Rs 750 entrance fee and the monthly subscription is Rs 18. The subscription to the Chamber's periodical returns is at present fixed at Rs 10 per month for the Daily Trade Return & Rs 10 per annum for the Weekly Price Current and Market Report. The affairs of the Chamber are managed by a committee of ten members, consisting of a Chairman, Vice-Chairman and eight members elected at the annual general meeting of the Chamber as early in the year as possible. The Chamber elects a representative on the Bombay Legislative Council, four representatives on the Karachi Port Trust, two on the Karachi Municipality and two on the North Western Railway Advisory Committee, Karachi. There were 63 members of the Chamber in January 1934. The following were the officers in 1933 —

Chairman —Mr R H Martin, (Forbes, Forbes, Campbell & Co, Ltd)

Vice-Chairman —Mr J W Anderson, (Grahams Trading Co (India), Ltd)

Members of Committee —Mr L C Buss, (Burmah Shell Oil Storage and Distributing Co of India, Ltd), Mr A D Finney, (Mackinnon, Mackenzie & Co), Mr T C Hiles (North-Western Railway), Mr F H Johnston, (National Bank of India, Ltd), Mr G N R Moir, (Bombay Co, Ltd), Mr W Reid, (David Sassoon & Co, Ltd), Mr T M Zoures, (Ralli Brothers, Ltd), Mr C Voegel, (Volkart Brothers)

Representative on the Bombay Legislative Council. Mr J Humphrey, OBE

Representatives on the Karachi Port Trust Messrs H S Bigg-Wither, OBE, G H Raschen, J W Anderson and W D Young

Representatives on the Karachi Municipality Mr A A L Hynn & Mr G A Johnstone

Representatives on the North Western Railway Local Advisory Committee, Karachi Messrs R H Martin and L Reid

Ag Secretary —Mr H M Gomes

Ag Public Measurer —Mr J G Smith

The following are the principal ways in which the Chamber gives special assistance to members —The Committee take into consideration and give an opinion upon questions submitted by members regarding the custom of the trade or of the Port of Karachi. The Committee undertake to nominate arbitrators and surveyors for the settlements of disputes. When two members of the Chamber or when one member and a party who is not a member have agreed to refer disputes to the arbitration of the Chamber or of an arbitrator or arbitrators nominated by the Chamber, the Committee will undertake to nominate an arbitrator or arbitrators, under certain regulations. Similarly, the Chamber, under certain regulations, will undertake to appoint an arbitrator or arbitrators for the settlement of disputes in which neither of the parties are members of the Chamber. A public measurer is appointed under the authority of the Chamber to measure pressed bales of cotton, wool, hides and other merchandise arriving at or leaving the port.

MADRAS

The Madras Chamber of Commerce was founded in 1836. All merchants and other persons engaged or interested in the general trade, commerce and manufactures of Madras are eligible for membership. Any assistant signing a firm or signing *per-pro* for a firm is eligible. Members who are absent from Madras but pay their subscriptions may be represented in the Chamber by their powers-of-attorney, as honorary members, subject to ballot. Honorary members thus elected are entitled to the full privilege of ordinary members. Election for membership is by ballot at a general meeting, a majority of two thirds of the recorded votes being necessary to secure election. Every member pays an entrance fee of Rs 100, provided that banks, corporate bodies and mercantile firms may be represented on the Chamber by one or more members and are liable for an entrance fee of Rs 100 once in ten years each. The subscriptions shall not exceed Rs 300 per annum, payable quarterly in advance, subject to reduction from time to time in accordance with the state of the Chambers' finances. Absentees in Europe pay no subscription and members temporarily absent from Madras pay one rupee per month. Honorary members are admissible to the Chamber on the usual conditions. Members becoming insolvent cease to be members but are eligible for re-election without repayment of the entrance donation.

The Chamber undertakes arbitrations and surveys, the granting of certificates of origin and the registration of trade marks. One of the rules for the last named is "that no trade mark or ticket shall be registered on behalf of an Indian firm trading under a European name."

The following publications are issued by the Chamber —Madras Price Current and Market Report, Tonnage Schedule and Madras Landing Charges and Harbour Dues Schedule.

There are 58 members and 6 Honorary Members of the Chamber in the current year and the Officers and Committee for the year are as follows —

Chairman Mr W M Browning

Vice Chairman Mr F Birley, MLC

Committee —Messrs G A Bambridge, H N Cohn, R A Gray, G H Hodgson and A S Todd

The following are bodies to which the Chamber is entitled to elect representatives and the representatives elected for the year —

Madras Legislative Council Mr F Birley, MLC

Madras Port Trust Messrs W M Browning, R D Denniston, and A S Todd *Vacant*

Corporation of Madras Messrs F E James, A J Powell and A G Vere

Federation of Chamber of Commerce of the British Empire Sir Gordon Fraser
Secretary G Gompertz

SOUTHERN INDIA.

The Southern India Chamber of Commerce established in 1909 has its Registered Office in Madras. The objects of the Chamber are those usual for such bodies, concerning the promotion of trade, especially in the Madras Presidency, and the interests of members. Special objects are stated to be—

“To maintain a Library of books and publications of commercial interest, so as to diffuse commercial information and knowledge amongst its members

“To establish Museums of commercial products or organise exhibitions either on behalf of the Chamber or in co operation with others”

There are two classes of members, permanent and honorary. The usual conditions as to eligibility for election prevail.

The Chamber is a member of the Federation of Indian Chambers of Commerce, the Indian Chamber of Commerce in Great Britain, and the Indian National Committee of the International Chamber of Commerce Paris.

The Chamber registers trade marks, holds survey and arbitrations, and issues certificates of origin.

The right of electing two representatives to the Madras Port Trust was accorded to the Chamber by the Madras Port Trust Amendment Act, 1915. Members of the Chamber hold seats in the Madras Legislative Council and the Chamber has also been accorded the right of electing a representative to that body.

Under the Madras City Municipal Act, 1919, the Chamber has the right of electing two Councillors to the Madras Corporation. Under the State Aid to Industries Act, 1923, the Chamber has the right to elect one member to the Board of Industries.

The Chamber also sends its representatives to the Road Board, the Town Planning Trust, the Provincial Cotton Committee, Vizagapatam Harbour Works Committee, the Advisory Committees of the South Indian and Madras and Southern Mahratta Railways, the Madras University, the Government Institute of Commerce, Advisory Council, Madras, the Social Hygiene Council (Madras Branch), the Anna Malai University, State Technical Scholarship Board, Advisory Committee of the Government Rayaparam and Ophthalmic Hospital and Madras Electric Supply and Tramways Advisory Committee, Income tax Board of Reference and Indian Institute of Accountants.

The Chamber has 115 members on the roll and has its own building. Several Associations in the City of Madras and Chambers of Commerce Upcountry have been affiliated to this Chamber.

President—Mr Jamal Mahomed Saib

Vice Presidents—Dewan Bahadur Govindas Chathoorbhujadas and Mr C Gopal Menon

Honorary Secretaries—Khan Bahadur Adum Hajee Md Saib and Mr K K Sreenivasam

Assistant Secretary—P R Nair, B A, B Com

NORTHERN INDIA

Northern India Chamber of Commerce, C & M Gazette Building, The Mall, Lahore

Chairman Hon'ble Rai Bahadur L Ram Saran Das, CIE, MCS

Vice Chairman L T R Rickford

Committee Mr Bindu Saran, Mr C C T Brereton, MBI, Rai Bahadur Bawa Dings Singh, Mr W H Guice, Mr P H Guest, Dewan Bahadur Dewan Krishna Kishore Dahiwal, C G C Redman, Mr H I Rustomji, Mr J C F Davidson, Mr L R Sahni, Mr Sapuran Singh, Professor W Roberts, B Sc

Chamber Members Spedding Dings Singh & Co, Lahore, Gillanders Arbuthnot & Co, Lahore, *Civil and Military Gazette*, Lahore, Allahabad Bank Ltd, Lahore, Durrani Sheo pershad, Lahore, Bird & Co, Lahore, H J Rustomji, Lahore, Col E H Cole, C B, C M G, Okara, B C G A (Punjab), Ltd, Khinewal, Bharat Insurance Co, Ltd, Lahore, Jallo Resin Factory, Lahore, National Bank of India Ltd, Lahore, Attock Oil Co Ltd, Rawalpindi, Central Bank of India, Ltd, Lahore, P. Bahadur Mela Ram & Sons, Lahore, Murre Brewery Co, Ltd, Rawalpindi, Ganesh Flour Mills Co, Ltd, Lyallpur, Mahe Singh Sapuran Singh Chawla, Lahore, North Western Railway, Lahore, Punjab Cotton Press Co, Ltd, Lahore, Lahore Electric Supply Co, Ltd, Lahore, Imperial Bank of

India, Lahore, Parkash Bros, Lahore, Basant Ram and Sons, Lahore, Grindlay & Co, Ltd, Lahore, Imperial Tobacco Co of India Ltd, Lahore, Sir Darya Kishan Kaul & Sons, Lahore, Rawalpindi Electric Power Co Ltd, Rawalpindi, Lakshmi Insurance Co Ltd, Lahore, Indian Mildura Fruit Farm, Renela Khurd, Uperoi Ltd, Sialkote, Rai Sahib Munshi Gulab Singh & Sons, Lahore, P R Hermand and Mohatta Ltd, Lahore, Lloyds Bank Ltd, Lahore, Burmah Shell Oil Storage and Distributing Co of India, Ltd, Lahore, Imperial Chemical Industries (India), Ltd, Lahore, Kangra Valley State Co, Ltd, Lahore, Andrew Yule & Co, Ltd, Lahore, Siemens (India) Ltd, Lahore, Buckwell & Co, Ltd, Lahore, Punjab Portland Cement Ltd, Wah, A I Ferguson & Co, Lahore, Officer in Charge Military Farms, Okara, Dyer Meakin & Co, Ltd, Solan Brewery P O, Uttar Chan Kapur & Sons, Lahore, Callendar's Cable & Construction Co, Ltd, Lahore,

Honorary Members—Major A Angelo, OBE, Rai Bahadur L Ram Lal, MBI, PCS, Mr H P Thomas, B Sc, M A I L, M N Soc OL

Secretary—H J Martin

Tel Address—“Commerce”

Telephone—2237,

UPPER INDIA

The Upper India Chamber of Commerce is concerned with trade, commerce and manufactures in the United Provinces and has its registered office at Cawnpore. Members are elected by the Committee, subject to confirmation by the next general meeting of the Chamber. Gentlemen distinguished for public service, or eminent in commerce or manufactures, may be elected honorary members of the Chamber by the members in a General Meeting and such shall be exempted from paying any subscription to the Chamber. There is no entrance fee for membership, but subscriptions are payable as follows—A firm, company or association having its place of business in Cawnpore, Rs 300 a year, an individual member resident or carrying on business in Cawnpore, Rs 300, firms or individuals having their places of business or residence outside Cawnpore pay half the above rates, but the maintenance of a branch office in Cawnpore necessitates payment of full rates.

The affairs and funds of the Chamber are managed by a Committee of ten members, which has power to constitute Local Committees of from four to seven members each at trade centres where membership is sufficiently numerous to justify the step. Such Local Committees have power to communicate only with the Central Committee.

The Chamber appoints arbitration Tribunals for the settlement and adjustment of disputes when invited, to do so, members of the Tribunals being selected from a regular printed list of arbitrators.

The Chamber has in the present year 61 members, two honorary members and seven affiliated members.

The following are the officers—

Upper India Chamber of Commerce Committee—*President*—Mr J M Lowme, (Messrs Begg, Sutherland & Co, Ltd) *Vice President*—Mr R Menzies, O B R, (The British India Corporation, Ltd) *Members*—Mr K J D Price, (The Muir Mills Co, Ltd), Mr T Gavin Jones, (The Cawnpore Chemical Works, Ltd), Mr Ram Narain, Cawnpore, Mr G V Lewis, (The British India Corporation, Ltd), Mr E J W Plummer, (The Swadeshi Cotton Mills Co, Ltd), Mr A P Curtis, (Messrs Begg, Sutherland & Co, Ltd), Mr Jang Bahadur Mirhouri, (Messrs Moonna Lal & Sons), and Mr A Barr Pollock, (The Chartered Bank of India, Australia & China) *Representatives on the United Provinces Legislative Council*—Mr E M Souter, M L C, (Messrs Ford & Macdonald, Ltd), The Hon ble Mr J P Srivastava, M L C, M S C, Cawnpore.

Secretary—Mr J G Ryan, M B E, V D

Head Clerk—Babu B N Ghosal

PUNJAB

The Punjab Chamber of Commerce has its headquarters at Delhi and exists for the cure of mercantile interests on the usual lines in the Punjab, the North West Frontier Province and Kashmir. The Chamber has Branches at Amritsar and Lahore. Membership is by ballot and is restricted to Banks, Merchants (wholesale), Railways and proprietors of large industrial interests. The entrance fee is Rs 100 and the rate of subscription Rs 180 per year. The Chamber returns one member to a seat on the Reformed Punjab Legislative Council jointly with the Punjab Trades Association, and shares representation in the Indian Legislative Assembly with other Chambers which are members of the Associated Chambers of Commerce of India, in the seat allotted to the Associated Chambers. The Chamber is a member of the Federation of Chambers of Commerce, London. The Chamber is represented on the Municipal Corporation of Delhi as well as on the N W Railway Advisory Committee, Lahore.

The Managing Committee meets at Delhi and Lahore and the following are office bearers—

Mr W G L Gilbert, *Chairman*, (Shahdara Saharanpore Light Railway Co., Ltd, Delhi),

Khari Bahadur S M Abdullah, *Deputy-Chairman*, (Messrs S M Abdullah & Sons, Delhi), Rai Bahadur P Mukerjee, M L C, (Messrs P Mukerjee & Co, Ltd, Delhi), Mr V F Gray, (Messrs R I Wood & Co, Ltd, Delhi), Lalji Shri Ram, (The Delhi Cloth & General Mills Co, Ltd, Delhi), Mr R T H Mackenzie, M L A, (Burmah Shell Oil Storage & Distributing Co of India Ltd, New Delhi), Mr U N Sen, C B E, (The Eastern News Agency Ltd, New Delhi), Mr C M Grant Govan, (Messrs Govan Brothers, Ltd, Delhi), The Hon'ble Rai Bahadur Lalji Ram Saran Das, C I I, (The Mela Ram Cotton Mills, Lahore), Mr Aftab Rai, (The Ganga Ice Factory, Lahore Cantt.), Mr R S Farley, (The New Egerton Woollen Mills, Dhariwal), Mr A M Freeman, (North Western Railway, Delhi), Mr Lachhmi Naram, (Messrs B M Lachhmi Naram, Amritsar), Mr Moti Ram Mehra, (Messrs Moti Ram Mehra & Co, Amritsar), Mr W Robertson Taylor, (The East India Carpet Co, Ltd, Amritsar), Mr A C Mullen, (The Amritsar Distillery Co, Ltd, Amritsar).

Secretaries—Messrs A F Ferguson & Co, Chartered Accountants, Delhi,

UNITED PROVINCES

The number of members on register is 133 (102 Local and 31 Mofussil). All the important commercial and industrial interests of the Provinces of Agra and Oudh are represented —

President — R B Vikramajit Singh, M L C, B A, L I B

Vice President — R S B Gopi Nath, Proprietor, Messrs Gopinath Chhugumal and L Ram Kumar Newatia, Proprietor, Messrs Ramkumar Rameshwari, Cawnpore

Secretary — L Rameshwar Prasad Bhatt, M L A, Proprietor, Messrs Gangadhar Bijnath, Cawnpore

Joint Secretary — Mr Krishna Lal Gupta, B A, L I B,

Proprietor, Messrs Saligram Kallomal, Cawnpore

Members of Committee — Mr Dwarka Prasad Singh, Mr Hiralal Khanna, Mr L Chunilal Maheshri, Mr R B B Bhugwan Dass, Mr B P Srivastava, Mr Ranjit Singh, Mr L Hari Shanker Bagla, Mr L Mukundilal Garg, Mr L Girdharilal Bajaj, Mr C L Mehta, Esq, Mr I D Varshanic, Mr L Ramchander, Mr B Nand Ram Mehrotra, Mr Ch Paray Lal, Mr Brindaban Das, Mr L Ram Kishan Das Bijoria

Assistant Secretary — B N Chopra, Esq A I S A

Head Assistant — Mr S B Tondon, B com (Alld)

BURMA

The Burma Chamber of Commerce, with headquarters at Rangoon, exists to encourage friendly feeling and unanimity among commercial men on all subjects involving their common good, to promote and protect trade, commerce and manufactures and, in particular, the general mercantile interests of the province, to communicate with public authorities, associations and individuals on all matters, directly or indirectly affecting these interests, and to provide for arbitration between parties willing to refer to, and abide by, the judgment of arbitrators appointed by the Chamber. The following are affiliated bodies —

Burma Fire Insurance Association
Burma Marine Insurance Agents' Association
Rangoon Import Association
Burma Motor Insurance Agents Association
Burma Planters Association

The Chamber elects representatives to the following Public Bodies —

Council of State
Burma Legislative Council
Rangoon Port Trust Board
Rangoon Corporation
Victoria Memorial Park Trustees
Pasteur Institute Committee
Burma University Council
Rangoon Development Trust
Police Advisory Board

Accountancy Classes Advisory Board, Rangoon

Advisory Committee Constituted under the Auxiliary Force Act, 1920

Rangoon General Hospital Advisory Committee

Local Railway Advisory Council

Rangoon Water Supply Committee
Bishop Bigandant Home Board

All British corporations, companies, firms or persons engaged or interested in mercantile pursuits, such as merchants, bankers, ship-owners and brokers or who are connected with agriculture, mining, manufactures, insurance, railways, commerce, art, science or literature shall be eligible to become Chamber Members. Every non-British concern or person, similarly engaged or interested as indicated above, shall be eligible for election as an Associate Member. The annual subscription of each Chamber Member shall be Rs 480 per annum and of each Associate Member Rs 360 per annum. An entrance fee of Rs 150 is payable by each new Member. Officials and others indirectly connected with the trade of the province or who may have rendered distinguished service to the interests represented by the Chamber may be elected by the Committee either on their own motion or on the suggestion of two Members as Honorary Members of the Chamber. Honorary Members are not required to subscribe to the funds of the Chamber.

The Chamber undertakes arbitrations in addition to its ordinary work. It does not publish any statistical returns.

Secretary — B P Criswell, Esq

Representative on the Council of State — Hon ble Mr J B Glass

Representatives on the Burma Legislative Council — R T Stoneham, Esq, M L O

Representatives on the Rangoon Port Trust Board — M L Burnet, Esq, J B Glass Esq, The Hon'ble Mr K B Harper and C G Wodehouse, Esq

Representative on the Rangoon Corporation—
W T McIntyre, Esq

*Victoria Memorial Park Trustee—*J. Burd,
Esq

*Pastor Institute Committee—*C G
Woodhouse Esq, M L C

*Burma University Council—*H B Prior,
Esq, M A

*Rangoon General Hospital Advisory Com-
mittee—*G L Bun Esq

*Police Advisory Board—*I P Cowie, Esq

*Rangoon Development Trust—*The Hon ble
Mr T L Glass

*Bishop Bigandant Home Board—*A A
Bruce, Esq

*Accountancy Classes Advisory Board—*L
Burd, Esq

*Local Railway Advisory Council—*A A Bruce,
Esq

*Rangoon Water Supply Committee—*C G
Woodhouse Esq, A T McGrath, Esq, and
C Lane Esq

*Advisory Committee constituted under the An-
nual Force Act, 1920—*J R Shirley, Esq

COCANADA

The Cocanada Chamber of Commerce was
established on 29th October 1868

The following are the members of the
Chamber which has its headquarters at
Cocanada, the chief port on the Coromandel
Coast north of Madras —

*Members—*The Coromandel Co., Ltd., Ripley
& Co., Innes & Co., Wilson & Co., Gordon Wood-
roff & Co., (Madras), Ltd., Northern Circars
Development Co., and Burmah Shell Oil
Storage and Distributing Co. of India, Ltd.

MEMBERS OF THE COMMITTEE

Mr S A Cheesman, (Chairman)

„ C D T Shores

„ H P Ferguson

„ G M Lake, (Secretary)

The rules of the Chamber provide that by
the term 'member' be understood a mercan-
tile firm or establishment, or the permanent
Agency of a mercantile firm or establishment,
or a society of merchants carrying on business
in Cocanada or other place in the Districts
of Kistna, Godavari, Vizagapatnam, and
Ganjam, and duly elected according to
the Rules of the Chamber, and that all such
be eligible but only members resident in Coca-

nada can hold office. Members are elected by
ballot. The Committee, when called upon by
disputing members or non-members of the
Chamber, give their decision upon all questions
of mercantile usage and arbitrate upon any
commercial matter referred to them for final
judgment. In either case a minimum fee of
Rs 16 must accompany the reference with
Rs 5 from a non member and Rs 1 from a
member as payment for the Chamber's Sealed
Certificate.

The Committee consisting of 3 members
including the Chairman, is elected by
ballot at the general meeting in January
in each year for a term of 12 months.
The entrance fee for each member, whose
place of business is in Cocanada, is Rs 100 and
for each member whose place of business is
elsewhere is Rs 50. The subscription for each
member whose place of business is in Cocanada
is Rs 120 per annum, payable quarterly, and for
each member whose place of business is else-
where is Rs 60 per annum, payable in advance.
The Committee usually meets once a month on
the penultimate Thursday and the general body
meets on the last Thursday.

A Fortnightly Circular of current rates of
produce, freights, and exchange is drawn up by
the Committee.

DEPARTMENT OF COMMERCIAL INTELLIGENCE AND STATISTICS

The Department of Statistics was reabsorbed
into the Department of Commercial Intelligence
with effect from the 1st December 1922. The
joint department has its office at No 1, Coun-
cil House Street, Calcutta, the headquarters
of the Director-General. It embraces two dis-
tinct classes of work (a) the collection and
dissemination of information connected with
overseas trade which may be of use to Indian
firms and (b) the compilation and publication
of All India statistics.

For some time past the Government of India
have felt the necessity for the creation of a
Central Statistical Research Bureau for the con-
tinuous analysis and interpretation of economic
and statistical facts and phenomena and they
have recently established the nucleus of a Sta-
tistical Research Bureau under the Director-
General of Commercial Intelligence and Statistics
at their headquarters. The Director General is

now stationed at the headquarters of the Go-
vernment of India with a Deputy Director of
Commercial Intelligence and a Deputy Director
of Statistics at Calcutta and a new Deputy
Director of Statistical Research at the head-
quarters.

Among the important publications for which
the Director General is responsible are the
following annual volumes: Review of the Trade
of India, Statement of the Foreign Sea-borne
Trade and Navigation of British India,
Statistical Abstract for British India, Agri-
cultural Statistics, Estimates of Area and Yield
of Principal Crops and Indian Customs Tariff.
The department also publishes a weekly
journal—The Indian Trade Journal—
the principal features of which are (a)
information as to tariff change in foreign
countries which affect Indian interests (b)
notices of tenders called for and contracts

placed by Government departments and public bodies, (c) crop reports and forecasts, (d) Government orders, communiques and other notifications affecting trade, (e) analysis of Indian trade statistics, (f) market reports, prices and trade movements of the staple exports and imports, (g) trade enquiries for securing trade introductions, (h) summaries of the leading features of consular and other trade reports, and (i) abstracts of the proceedings of the various Chambers of Commerce in India.

The Department also administers the **COMMERCIAL LIBRARY AND READING ROOM** located at No 1, Council House Street Calcutta. This was at first a small departmental library used for the purpose of answering enquiries but in 1919 the Government of India agreed to the formation of a combined technological library of reference in Calcutta in place of the separate libraries attached to the Departments of Commercial Intelligence, Statistics, and Patents and Designs, and the resultant Commercial Library

and Reading Room was placed under the administrative control of the Director-General. It has now been expanded into a first-class technical library containing over 13,863 volumes on different subjects of commercial, economic and industrial interest as well as Indian and foreign statistical publications, and over 330 technical and commercial journals and market reports. Ordinarily books are consulted in the Library, but they are also available on loan upon deposit of value throughout India.

The Department works in close co-operation with Directors of Industries and other Government Departments in India, with the Indian Trade Commissioners in London and Hamburg with His Majesty's Trade Commissioners in India and the Dominions, and with Consular Officers in various parts of the world. And the yearly increase in its correspondence shows that it is steadily being used more and more both by firms in India and by overseas firms interested in Indian exports.

THE BRITISH TRADE COMMISSIONER SERVICE IN INDIA.

The British Trade Commissioners in India are part of the world-wide Commercial Intelligence Organisation of the Imperial Government. The Department of Overseas Trade, London, which is the headquarters of this organisation, is a joint department of the Board of Trade and the Foreign Office and was created in 1917 with the specific object of stimulating the overseas trade of the United Kingdom by securing commercial information from all parts of the world, by disseminating it to British manufacturers and exporters, by undertaking such special constructive activities as may be found possible, and by assisting traders in the removal of their difficulties. The Department has nothing to do with the regulation of trade. It passes no measures and makes no restrictive or regulative orders. Briefly, the policy on which it is based is the policy of assistance without interference.

The Department of Overseas Trade maintains a network of trained and experienced Commercial Intelligence Officers throughout the world, who forward a constant supply of commercial information to London and provide local assistance in the promotion of British economic interests. Those overseas officers who are stationed in the British Empire are members of the Trade Commissioner Service while Foreign countries are served by the Commercial Diplomatic Service forming part of the British Diplomatic Missions and by the Consular Service.

Sir (then Mr) Thomas M Ainscough, OBE, was appointed His Majesty's Senior Trade Commissioner in India in January 1918 and opened an office in Calcutta in March of that year. For five years, owing to the pressing need for economy in the Public Service, he was singlehanded in covering this vast territory. In 1923, however, H M's Government sanctioned the opening of an office in Bombay and the creation of an additional Trade Commissioner's post in Calcutta. Mr W D M Clarke holds the appointment of H M's Trade Commissioner at Bombay and in 1930

Mr R B Willmot was appointed as H M's Trade Commissioner at Calcutta. The territory is now divided between the Calcutta and Bombay posts and this development allows the Senior Officer to travel almost continuously to any part of India which may call for his attention and to devote his time to some of the broader politico-economic problems which are becoming so important in view of the changing political conditions in India.

Function of Commissioner.—The primary duty of the British Trade Commissioner comprises the collection of information in regard to opportunities that may arise within his territory for securing and developing trade by British manufacturers and merchants, both in the United Kingdom and other parts of the British Empire. He is, therefore, enjoined carefully to watch and report from time to time to the Board of Trade and the Governments of the Dominions concerned on all matters affecting the trade, industry and commerce of his area. His general functions are to maintain cordial relations with the governing authorities of his area, to enter into personal relations with the Chambers of Commerce, Trade Associations, and similar bodies, and with the principal representative importers and local manufacturers, to visit the principal commercial centres, to report upon foreign competition, on financial and trade conditions, and new legislation affecting trade, to make an annual general report on the conditions and prospects of trade in his area, and to furnish special reports and monographs on particular questions which are likely to be of interest to British manufacturers and exporters. He is also expected to supply a regular flow of commercial information of all kinds to his department, to maintain an active correspondence with firms in the United Kingdom or the Dominions who wish to extend their trade with his area, and to give all possible assistance to the representatives of British firms who may visit his territory.

Every effort is made by His Majesty's Trade Commissioners to keep in touch with British representatives and agents in India. The offices are equipped with a complete range of directories and reference books of all kinds and information is available with regard to such matters as tariff conditions, port dues and charges throughout the world, etc. A library consisting of over 1,000 catalogues of the leading British manufacturers is maintained in Calcutta and Bombay, and firms desiring information with regard to specific manufacturers of particular machinery or processes are invited either to call personally or to communicate their requirements in writing. It is hoped that local importers and buyers will co-operate by making a more extended use of the information available in the offices and by bringing to the attention of the British Trade Commissioners any cases where the interests of exporters from the United Kingdom or the Dominions may be adversely affected by foreign competition or otherwise.

For many years British traders have deplored the fact that there have not been available officials with commercial experience who could help them in voicing their difficulties and in meeting foreign competition. As a rule these complaints eulogized the Consuls of other countries and invited the attention of Government to their many virtues. In response to this agitation the greatest care has been taken by the British Government to select, as their trade officers Overseers, men of sound commercial training and experience who have acquired some reputation in their respective spheres, and a comprehensive and businesslike organization has been built up at the Department of Overseers

Trade, London, to deal with the information sent home. It now rests with the British mercantile community, both at home and also Overseas, to co-operate freely and frankly with the Trade Commissioners and to recognize the work they are doing in the Imperial interest by assisting them with such information and particulars with regard to foreign competing goods, conditions of trade, etc., as they are able to afford.

H. M.'S. TRADE COMMISSIONERS IN INDIA

Calcutta—

Sir Thomas M. Ainscough, OBE,
His Majesty's Senior Trade Commissioner
in India and Ceylon

Mr R. B. Willmot,
His Majesty's Trade Commissioner at
Calcutta
Post Box No 683, Fairlie House, Fairlie
Place
Telegraphic Address—"Tradcom, Calcutta"
Telephone No "Calcutta 1012"

Bombay—

Mr W. D. M. Clarke,
His Majesty's Trade Commissioner at
Bombay
Post Box No 815, 3 Wiltet Road, Ballard
Estate
Telegraphic Address—"Tradcom, Bombay"
Telephone No—"Bombay 23095"

Ceylon—

Imperial Trade Correspondent,
The Principal Collector of Customs
Colombo.

THE INDIAN CENTRAL COTTON COMMITTEE

The Indian Cotton Committee of 1917-18, a full summary of whose report appears on pages 291-294 of the Indian Year Book of 1922, reviewed the position of cotton growing in India very thoroughly and made a series of recommendations for the improvement of cotton growing and marketing which have proved to be of the greatest value. One of their recommendations was that a permanent Indian Central Cotton Committee should be established to promote the welfare of the cotton growing industry generally, to advise the Government of India and Local Governments in regard to matters of cotton policy, especially with reference to legislation for the prevention of malpractices and similar matters.

The Indian Central Cotton Committee was appointed by resolution of the Government of India in April 1921, and worked as an advisory body until 1923. Another recommendation of the original Committee was that a cotton cess should be levied to provide funds for the work of the Central Cotton Committee and for agricultural and technological research on cotton. The Cotton Cess Act was passed in 1923 and at

the same time the Central Cotton Committee was incorporated and its membership enlarged in order to make it fully representative of all sections of the industry. Its constitution and present membership is as follows—

President, ex officio—Dewan Bahadur Sir T. Vajazraghacharya, KBE, Vice Chairman, Imperial Council of Agricultural Research, Simla or Delhi

Representing the East India Cotton Association, Ltd., (Vice-President)—Sir Purshotamdas Thakurdas, KT, CIE, MBE, C/o Messrs. Naranadas Rajaram & Co, Narasri Chambers, Outram Road, Fort, Bombay

Ex Officio—B. C. Burt, Esq, CIE, MBE, IAS Agricultural Expert, Imperial Council of Agricultural Research, Simla or Delhi

Representing the Agricultural Department, Madras—S. V. Ramamurthy, Esq, ICS, Director of Agriculture, Madras

Representing the Agricultural Department, Bombay Presidency—The Director of Agriculture, Bombay Presidency, Poona

Representing Cotton Growers, Madras—M R
R K Suresh Babu, M C, Cumbum,
Kurnool District, Madras Presidency

Khan Bahadur Nawab Fazl-ul-Ali Khan,
Chairman District Board, and President, Central
Co operative Bank, Ltd, Gujrat (Punjab)

Khan Sahib Farrukhbeg Sadikahbeg Muzi, Bar-at-Law, President, District Local Board, Nawabshah, Sind

Representing the Cotton Millowners of Delhi — Lal Shri Ram, Delhi Cloth and General Mills Delhi

Secretary — Mr P H Rama Reddi, M A, B Sc, I A S

Director, Technological Laboratory — Dr Nazir Ahmad, M Sc, Ph D

Publicity Officer — Mr R D Mhtra, M A, Agri (Oxon), Post Grad Dip Agri (Oxon), Post Grad Res B Latt (Oxon)

Office — Vulcan House, Nicol Road, Ballard Estate, Bombay

From the commencement the Central Cotton Committee took steps to deal with the various malpractices reported by the original Committee which by spoiling the reputation of the Indian cottons and rendering them less valuable for spinning purposes, were reducing the returns of the grower and causing great economic loss to the country at large

The Cotton Transport Act passed in 1923 enables any Local Government with the consent of its Legislative Council to notify definite areas of cotton for protection and to prevent the importation of cotton from outside the area except under license. Prior to the passing of the Act inferior cottons were imported in large quantities into the staple cotton tracts for purposes of adulteration, and the reputation of several valuable cottons had been ruined by this abuse. The Act has now been applied to the most important staple cotton areas of the Bombay and Madras Presidencies and the Central Provinces and of the Baroda, Rappi, Chhota Udepur, Hyderabad, Indore, and Sangli States and with excellent results.

The Cotton Ginning and Pressing Factories Act (XII of 1925) subsequently passed provides for a certain measure of control of ginning and pressing factories and especially for the marking of all bales of cotton pressed with a press mark and serial number which enables them to be traced to their origin. This Act, with the minimum of official interference, places the cotton trade in a position itself to deal with abuses, and should lead to a very marked improvement in the quality of Indian cottons.

The Central Cotton Committee has also devoted considerable attention to constructive action for the improvement of the marketing of cottons and to bringing to the notice of the trade, both in India and abroad, those improved varieties which have now reached a commercial scale and has carried out some important enquiries into the financing of the cotton crop up-country and primary cotton marketing, and the effect of "pools" of cotton ginning and pressing factories on the price paid to the growers for their produce. As an instance of the progress in cotton growing which has been made since 1917 it may be stated that since that date approximately half a million bales of cotton of medium staple have been added to the Indian crop by the work of the Agricultural Departments. In general it may be said that the Committee affords a common meeting ground for

representatives of all sections of the Cotton trade and of the cottongrowing industry, thus enabling a number of problems to be tackled from every point of view and definite progress made towards their solution.

Research Studentships — The Committee has also instituted a scheme of research studentships to enable distinguished graduates of Indian Universities to undertake research on cotton problems under the direction of experienced research workers in India. Scholarships for training abroad are also sometimes granted.

STATISTICS — By the efforts of the Committee great improvement has been effected in cotton statistics. The compilation of statistics relating to (1) Indian raw cotton consumed in spinning mills in India, (2) exports by sea and receipts at mills of Indian cotton classified by varieties, (3) stocks of cotton held on the last day of the season by the trade at important cotton centres in India, and by the mills, and (4) loose cotton received in the spinning mills of the major cotton growing provinces, the establishment of weekly statistical returns relating to the number of bales of raw cotton pressed in India, and the revival of rail-borne trade statistics for cotton are some of the results already achieved by the Committee in this direction.

Research — By means of the Cotton Cess the Committee is provided with funds for the promotion of research. It maintains in Bombay a fully equipped Technological Laboratory which includes a complete experimental, spinning plant and a scientific laboratory for research on the cotton fibre. This laboratory provides Agricultural Departments with complete and authoritative reports on the spinning value of new cottons, thus providing a much needed facility. In addition it is now possible to undertake research work on a number of questions connected with the spinning qualities of cotton which have not been touched in the past. The Laboratory is unique in that it is probably the only institution of its kind which approaches the subject primarily from the standpoint of the grower.

The Committee contributes the greater part of the funds for the Indore Institute of Plant Industry which is a Central Agricultural Research Institute for cotton where many problems of fundamental importance are being studied.

In addition by means of grants in-aid to Agricultural Departments it has provided for special investigations on problems of general applicability which would otherwise have been left untouched through lack of staff and funds. Such schemes are in operation in all major cotton-growing provinces and now number twenty-seven.

The Committee also assists by means of grants to Agricultural Reports in Provinces and States and to Co-operative Cotton Sale Societies in the wider distribution of seed of improved varieties of cotton. There are 16 such schemes in operation at present.

His Excellency the Viceroy (Lord Reading) when he visited Bombay in December 1924 and formally opened the Committee's Spinning Laboratory laid great stress on the importance and value of the Committee's work.

THE EAST INDIA COTTON ASSOCIATION, LIMITED

Bombay—The Association is the outcome of the findings of the Indian Cotton Committee which was appointed by the Governor-General in Council under a resolution dated September 27th, 1917. Until the end of 1917 the Cotton Trade of Bombay was in the hands of seven distinct bodies, viz., The Bombay Cotton Trade Association, Ltd., The Bombay Cotton Exchange, Ltd., The Bombay Millowners' Association, The Bombay Cotton Brokers' Association, Ltd., The Marwari Chamber of Commerce, The Bombay Cotton Merchants' and Muccehdums' Association Ltd., and The Japanese Cotton Shippers' Association. None of these bodies were representative of the trade as a whole and their interests often came into conflict with each other. The necessity of a system of periodical settlements, such as existed in Liverpool, was badly felt, especially when speculation was rife in futures which was so excessive in 1918 that the Trade had to invoke the aid of Government to prevent a financial crisis.

The Cotton Contracts Committee was created under the Defence of India Act in June 1918 as a temporary measure under the Chairmanship of Mr G Wiles, ICS. This body was replaced by the Cotton Contracts Board in 1919, which continued to function until May 1922 when the Act, under which the Board worked, was repealed, and its functions were carried on by the First India Cotton Association under Bombay Act No XIV of 1922.

The Association continued to function under the above Act until 31st October 1932. With effect from 1st November 1932 the Association has been regulating transactions in cotton under Bombay Act No IV of 1932 under which it has been declared to be a recognised Cotton Association.

The present constitution of the Board is as follows—

Haridas Madhavadas, Esq., (President), Sellers' Panel, Bhudas Nanalal, Esq., (Vice President), Sellers' Panel, H F Milne, Esq., Buyers' Panel, L F H Goodwin, Esq., Buyers' Panel, R L Ferad, Esq., Buyers' Panel, J G Anderson, Esq., Buyers' Panel, Surajmal Khalliram, Esq., Sellers' Panel, Chimanlal B Parikh, Esq., Sellers' Panel, Beggur Gupta, Esq., Brokers' Panel, Chundal B Mehta, Esq., Brokers' Panel, Jagjivandas Dossabhai, Esq., Brokers' Panel, P N Phulon, Esq., Brokers' Panel, Jannadas Adukra, Esq., Brokers' Panel, Ramdeo Anandlal Podar, Esq., Brokers' Panel, N M Deshmukh, Esq., M A (Cantab), Bar at-Law, Mian Nurullah, Esq., MLC. Nominated on the Board of Directors as Representatives of Growers' of Cotton by the Indian Central Cotton Committee.

Officers

D Mehta, Esq., P A, Secretary, C M Parikh Esq., B Com, Assistant Secretary, A R., Menezes, Esq., Manager, Clearing House.

Some of the objects for which the Association is established are—To provide and maintain suitable building or rooms for a Cotton Exchange in the City of Bombay and elsewhere in India and to regulate admission to and prohibition of the user thereof and the nature and times of such user whether in the case of the general body or particular classes or any individual or firm or company using the Exchange to provide forms of contracts compulsory or permissive and regulate the making, carrying out and enforcement or cancellation of contracts to adjust by arbitration or otherwise controversies between persons engaged in the Cotton Trade to establish just and equitable principle in the said Trade to maintain uniformity of control of the said trade, to fix or adopt standards of classification of cotton, to acquire, preserve and disseminate useful information connected with the Cotton interest throughout all markets to decrease or insure the local risk attendant upon business, and generally to control, promote and regulate the Cotton Trade in the Presidency of Bombay and elsewhere in India, improve its stability and augment the facilities with which it may be conducted. To establish and maintain a Clearing House for the purpose of dealing with cotton transactions, and to regulate admission to and prohibition of the user thereof and the nature and times of such use whether in the case of the general body or particular classes or any individual or firm or company using the Clearing House. To regulate the handling and exportation of Cotton from India and the importation of Cotton into India in so far as it may be imported. To bring, prosecute, or defend or aid in bringing, prosecuting, or defending any suits, actions, proceedings, applications, or arbitrations on behalf of Members or Associate Members or Special Associate Members or otherwise as the Directors of the Association may think proper or conducive to the objects of the Association and to prescribe the principle of framing of contracts with a view to eliminate the temptation and possibility of speculative manipulation.

The Association has a fine Exchange Building at Sewri Cotton Depot, containing 121 Buyers' Rooms and 84 Sellers' Rooms, and a large Trading Hall on the lines of Liverpool and New York Exchanges.

The inaugural ceremony of the opening of the Exchange Building was performed by His Excellency Sir Leslie Wilson, Governor of Bombay, on the 1st December 1925 in the presence of a large gathering which included most of the prominent business men of the City and many leading citizens.

There is a membership of 395 members.

The Bombay Cotton Annual containing matters relating to every branch of the Trade is published annually in December and statistics are issued twice weekly.

The Textile Industry.

India has been the home of the cotton trade from the earliest times. Its cotton, known as white wool, was well known to the ancients and its cloth was familiar to the West in the days of the overland route. The name Calico comes from the fine woven goods of Calicut, and the products of the Dacca handlooms are still remarkable as the finest muslins human skill can produce.

Indian Cotton

The exports of Indian cotton began to assume importance with the opening of the sea route. They received an immense stimulus during the American Civil War, when the close blockade of the Confederate ports produced a cotton famine in Lancashire, and threw the English spinners back on India for their supply of raw material. When the war broke out the shipments of Indian cotton were 528,000 bales, but during the last year of the war they averaged 972,000 bales. Most of this cotton was sold at an enormously inflated price, and

induced a flow of wealth into Bombay, the great centre of the trade, for which there was no outlet. The consequence was an unprecedented outburst of speculation known as the "Share Mania," and when the surrender of Lee re-opened the Southern Ports widespread ruin followed. It is estimated that the surplus wealth brought into the country by the American Civil War aggregated £92 millions. Since then the cultivation of Indian cotton, although interrupted by famine, has steadily increased. For the last season for which returns are available, 1932-33 the total area in all territories reported on was computed at 22,588,000 acres and the total estimated outturn was 4,516,000 bales of 100 lbs. as compared with 21,522,000 acres and 4,061,000 bales in 1931-32.

Bombay, the Central Provinces and Hyderabad are the chief producing centres. The following table gives the rough distribution of the outturn. The figures are the estimated figures for the past season, and are not exact, but they indicate the distribution of the crop —

Provinces and States	1932-33 (Provisional Estimates)	
	Acres in Thousands	Bales of 100 lbs. (In thousands)
Bombay (a)	6,587	1,457
Central Provinces and Berar	4,216	710
Punjab (a)	2,268	652
Madras (a)	1,976	112
United Provinces (a)	527	170
Burma	320	62
Bengal (a)	76	24
Bihar and Orissa (b)	65	13
Assam	37	15
Ajmer-Merwara	33	11
North-West Frontier Province	16	3
Delhi	2	1
Hyderabad	3,602	534
Central India	1,007	135
Baroda	722	144
Gwalior	597	76
Rajputana	419	57
Mysore	88	10
Total	22,588	4,516

(a) Including Indian States

Note — A bale contains 400 lbs. of cleaned cotton

(b) Excluding certain feudatory states which report an area of 28,000 acres with a yield of 8,000 bales, as against 29,000 acres and 7,000 bales last year

The spinning of yarn is in a large degree centred in Bombay the mills of that province producing nearly 55 per cent of the quantity produced in British India. The United Provinces of Agra and Oudh and Madras produced about 19·4 per cent while Bengal and the Central Provinces produced 4·0 and 4·4 per cent. Elsewhere the production is as yet very limited.

BOMBAY ISLAND.

Here is a detailed statement of the quantity (in pounds) and the counts, or numbers, of yarn spun in Bombay island —

—	1928-29	1929-30	1930-31	1931-32	1932-33
Nos 1—10 .. .	32,435,744	58,035,403	53,638,486	52,498,182	49,700,540
„ 11—20 .. .	61,896,986	105,891,361	100,812,483	121,121,630	121,094,087
„ 21—30 .. .	47,078,788	85,715,968	82,764,969	104,772,651	97,050,083
„ 31—40 .. .	8,566,651	13,074,236	22,671,169	29,478,014	31,590,553
Above 40 .. .	3,133,697	4,628,867	10,493,889	12,954,822	12,904,255
Wastes, &c .. .	6,61,027	870,909	525,637	764,546	573,348
TOTAL	153,752,893	263,216,744	270,906,633	321,589,845	312,921,863

AHMEDABAD

The corresponding figures for Ahmedabad are as follows —

—	1928-29	1929-30	1930-31	1931-32	1932-33
Nos. 1—10	2,409,957	2,957,262	2,774,584	1,897,390	1,817,847
„ 11—20	39,409,182	48,393,118	48,006,659	55,517,079	63,253,648
„ 21—30	58,194,408	63,127,227	58,522,363	60,911,461	61,730,219
„ 31—40	12,639,915	15,399,621	17,155,503	19,617,636	23,291,983
Above 40 .. .	4,064,968	5,899,594	10,647,819	14,420,395	16,070,045
Wastes, &c .. .					
TOTAL	116,718,430	135,776,822	137,107,228	152,363,961	166,163,742

YARN SPUN THROUGHOUT INDIA

The grand totals of the quantities in various counts of yarn spun in the whole of India including Native States, are given in the following table —

—	1928-29	1929-30	1930-31	1931-32	1932-33
Nos 1—10 .. .	78,887,734	105,477,920	113,588,158	116,899,114	115,210,693
„ 11—20 .. .	303,135,880	387,822,398	400,150,519	445,157,934	484,241,173
„ 21—30 .. .	213,013,236	271,758,294	259,455,565	294,005,342	297,512,610
„ 31—40 .. .	37,488,197	46,362,781	60,746,714	71,073,075	77,185,513
Above 40 .. .	10,029,048	15,278,339	27,310,831	34,001,363	36,593,749
Wastes, &c .. .	5,729,242	6,709,881	5,792,771	5,236,192	5,674,671
TOTAL .. .	648,283,337	383,409,013	455,836,074	966,373,020	1,016,418,409

Progress of the Mill Industry

The following statement shows the progress of the Mill Industry in the whole of India

Years ending 30th June	Number of Mills	Number of Spindles	Number of Looms	Average No of Hands Employed Daily	Approximate Quantity of Cotton Consumed	
					Cwts	Bales of 302 lbs
1878	53	12,89,706	10,533	Not stated	Not stated	Not stated
1879	56	14,52,794	13,018	42,914	9,36,547	2,67,585
1880	56	14,61,590	13,502	44,410	10,76,708	3,07,631
1881	57	15,13,096	13,707	46,430	13,26,461	3,78,989
1882	65	16,20,814	14,172	48,467	13,91,467	3,97,565
1883	67	17,90,388	15,375	53,476	15,97,946	4,56,556
1884	79	20,01,667	16,262	60,387	18,59,777	5,31,365
1885	87	21,45,646	16,537	67,186	20,88,621	5,96,749
1886	95	22,61,561	17,455	74,383	22,51,214	6,43,201
1887	103	24,21,290	18,536	76,942	25,41,966	7,26,276
1888	114	24,88,851	19,496	82,379	27,54,437	7,86,982
1889	124	27,62,518	21,501	91,598	31,10,289	8,88,654
1890	137	32,74,196	23,412	1,02,721	35,29,617	10,08,462
1891	134	33,51,394	24,531	1,11,018	41,26,171	11,78,906
1892	139	34,02,232	25,444	1,16,161	40,80,783	11,65,938
1893	141	35,75,917	28,164	1,21,500	40,98,528	11,71,008
1894	142	36,49,736	31,154	1,30,461	42,78,778	12,22,508
1895	148	38,09,929	35,338	1,38,669	46,95,999	13,41,714
1896	155	39,32,946	37,270	1,45,432	49,32,613	14,09,318
1897	173	40,65,618	37,584	1,44,335	45,53,276	13,00,936
1898	185	42,59,720	38,013	1,48,964	51,84,648	14,81,328
1899	188	47,28,333	39,069	1,62,108	58,63,165	16,75,190
1900	193	49,45,783	40,124	1,61,189	50,86,732	14,53,352
1901	193	50,06,936	41,180	1,72,883	47,31,090	13,51,740
1902	192	50,06,965	42,584	1,81,031	61,77,633	17,65,038
1903	192	50,43,297	44,092	1,81,399	50,87,690	17,39,340
1904	191	51,18,121	45,337	1,84,779	61,06,631	17,44,766
1905	197	51,63,486	50,139	1,95,277	65,77,354	18,79,244
1906	217	52,79,595	52,668	2,08,616	70,82,306	20,23,516
1907	224	53,33,275	58,436	2,05,696	69,30,595	19,80,170
1908	241	57,56,020	67,920	2,21,195	69,70,250	19,91,500
1909	259	60,53,231	76,398	2,36,924	73,81,500	21,09,000
1910	263	61,95,671	82,725	2,33,624	67,72,535	19,35,010
1911	263	63,57,460	85,352	2,30,649	68,70,531	19,05,866
1912	268	64,63,929	88,951	2,43,637	71,75,357	20,59,102
1913	272	65,96,862	94,136	2,53,786	73,36,056	20,96,016
1914*	271	67,78,895	1,04,179	2,60,276	75,00,941	21,43,126
1915*	272	68,48,744	1,08,009	2,65,346	73,59,212	21,02,632
1916*	266	68,39,877	1,10,268	2,74,361	76,92,013	21,97,718
1917*	263	67,38,697	1,14,621	2,76,771	76,93,574	21,93,164
1918*	262	66,53,871	1,16,484	2,82,227	72,99,873	20,85,678
1919*	258	66,89,680	1,18,221	2,93,277	71,54,805	20,44,230
1920*	253	67,63,876	1,19,012	3,11,078	68,33,113	19,52,318
1921*	257	68,70,804	1,23,783	3,32,176	74,20,835	21,20,230
1922*	298	73,31,219	1,34,620	3,43,723	77,12,390	22,03,540
1923*	333	79,27,938	1,44,794	3,47,380	75,30,943	21,51,608
1924*	336	83,13,273	1,51,485	3,56,887	67,12,118	19,17,748
1925*	337	85,10,683	1,54,202	3,67,877	77,92,085	22,26,310
1926*	334	87,14,168	1,59,464	3,73,508	73,96,844	21,13,384
1927*	336	87,02,760	1,61,952	3,84,623	81,60,942	24,17,412
1928*	335	87,04,172	1,66,532	3,60,921	70,34,237	20,09,782
1929*	314	89,07,064	1,74,992	3,46,925	75,64,081	21,61,166
1930*	348	91,24,768	1,79,250	3,84,022	90,07,999	25,73,714
1931*	339	93,11,953	1,82,429	3,95,475	92,16,116	26,33,175
1932*	340†	95,01,047	1,86,407	4,03,760	1,02,32,712	29,23,632
1933	344	95,71,668	1,83,960	4,00,759	99,30,053	28,37,158

* Year ending 31st August

† Does not include 31 Mills in course of erection

The Jute Industry.

Considering its present dimensions, the jute industry of Bengal is of very recent origin. The first jute mill in Bengal was started at Rishra in 1855, and the first power loom was introduced in 1859. The original outturn was 8 tons per day. In 1900 it had grown to 2,500 tons per day, it is now 4,000 tons per day, and it shows every indication of growing and expanding year by year. Another interesting thing about the jute industry of Bengal is that, although it is practically a monopoly of Scotsmen from Dundee, the industry itself owes its inception to an Englishman. The founder of the industry was George Acland, an Englishman, who began life as a midshipman in the navy, and was for some years in the East India Marine Service. He quitted this service while still a young man, and engaged in commercial pursuits in Ceylon, where he was successful. Later on he turned his attention to Bengal, and arriving in Calcutta about 1853 he got into touch with the management of the paper works, then at Serampore, where experiments were being tried with country grasses and fibre plants to improve the quality or cheapen the manufacture of paper. This seems to have suggested to Acland the manufacture of ree, and in 1854 he proceeded to England, with a view to obtaining machinery and capital in order to manufacture goods from that material. During this trip he visited Dundee, and while there Mr John Kerr, of Douglas Foundry, suggested to him the importing of machinery into Bengal "where the jute comes from and spin it there." This suggestion bore fruit, for shortly afterwards Acland placed orders with Kerr for a few systems of preparing and spinning machinery, and returned to India the same year accompanied by his two sons and a few Dundee mechanics who were to assist him in erecting and operating the first jute mill in Bengal. This, as has been stated, was at Rishra, the site of the present Wellington mills, near Serampore, and here, in 1855, the first machine spun jute yarns were made. As not infrequently happens the pioneer got very little out of his venture. After several ups and downs the Acland interest in the Rishra mill ceased in 1867, and the company which Acland had formed in 1854 was wound up in 1868.

Power-loom.—The pioneer's example was followed by Mr George Henderson of that silk firm, and in 1859 the Borneo Jute Co was launched under his auspices. To this company is due the credit of introducing the power-loom for jute cloth. Unhampered by the financial difficulties which had burdened the Aclands, the Borneo Jute Co made rapid progress, doubling their works in 1864, and clearing their capital twice over. In 1872 the mills were turned into a limited liability company, the present "Barnagore Jute Factory Co., Ltd." Four other mills followed in succession—Gouripore, Serajunge, and India Jute Mills.

"From 1868 to 1873," writes Mr David Wallace in "The Romance of Jute" "the five mills excepting the Rishra mill simply coined money and brought the total of their looms up to 1,250." To illustrate the prosperity of the industry at this period we may take the dividends paid by the Barnagore

Company. On the working of their first half year, a 15 per cent interim dividend was declared, which seemed to justify the enormous capital at which the company was taken over from the Borneo Company, and shares touched 68 per cent premium. The dividend for the first year, ending August 1873, was 25 per cent, for 1874, 20 per cent, and for 1875, 10 per cent. Then came a change. The investing public had forgotten the effect of the Port Canning bubble, and the condition of the jute industry in 1872-73 seeming to offer a better return than coal or tea, both of which had just enjoyed a boom, it was only necessary to issue a prospectus of a jute mill to have all the shares snapped up in the course of an afternoon.

In 1872-73 three new companies were floated locally—the Fort Gloster, Budge and Sibpore, and two Home companies, the Champdany and Samnugger, all of which commenced operations in 1874. In 1874-5 eight other mills were launched—the Howrah, Oriental (now Union), Asiatic (now Soorah), Clive, Bengal Pressing and Manufacturing Co (now the Bellinghatta-Barnagore branch mill), Rustomjee (now the Central) Ganget (registered in England), and Hastings, owned by Messrs Birmyre Bros., of Greenock fame—in all thirteen new companies, coming on all of a heap and swelling the total looms from 1,250 up to 3,500. This was too much of a strain for the new industry, and for the next ten years all the mills had a severe struggle. The older ones all survived the ordeal, but four of the new concerns—the Oriental, the Asiatic, the Bengal Pressing and Manufacturing Co and the Rustomjee—became moribund, to appear again later on under new names and management. Fort Gloster also suffered badly.

Between 1875 and 1882 only one new mill was put up. This was Kamarhatti, promoted by Messrs Jardine, Skinner & Co. which came into being in 1877, as the result of Dr Barry's visit to Calcutta in 1876, when he transferred the agency of the Gouripore Co from Messrs Jardine, Skinner & Co to his own firm. This mill, together with additions made by some of the other mills, brought the total looms up to 5,150 in 1882. By the end of 1885 the total was further augmented by the Hooghly, Titaghur, Victoria and Kanknarrah mills, bringing the number of looms at work up to 6,700. From this period on to 1894 no new mills came into existence except the Calcutta Twist Mill, with 2,460 spindles, since merged into the Wellington branch of the Champdany Co. Between 1896 and 1900 the following new mills were started—The Gordon Twist Mill with 1,800 spindles (now acquired by Anglo-India), Khardah, Gondolpara (French owned), Alliance, Aratboon, Anglo-India, Standard, National, Delta (which absorbed the Serajunge), and the Kinnison. A full of four years witnessed large extensions to the existing mills after which came the following series of new mills, besides further heavy extensions—Dalhousie, Alexandra, Naihati, Lawrence, Reliance, Belvedere, Auckland, Kelvin and Northbrook. The last decade has seen the construction of Hukumchand, Birla, Shree Hanuman, Gagalbhui, Premchand and Agapara Mills, which—with the exception of the last named—are under Indian ownership.

Progress of the Industry.

THE record of the jute industry may well be said to be one of uninterrupted progress. The following statement shows quinquennial averages from the earliest year for which complete information is available with actuals for each year from 1917-18 up to 1926-27 and the figures in brackets represent the variations for each period, taking the average of the quinquennium from 1879-80 to 1883-84 as 100 —

	Number of mills at work	Authorised Capital (in lakhs of Rs)	Number (in thousands) of		
			Persons employed daily (average)	Looms	Spindles
Average—					
1879-80 to 1883-84	21 (100)	270.7 (100)	38.8 (100)	5.5 (100)	88 (100)
1884-85 to 1888-89	24 (114)	341.6 (126)	52.7 (136)	7 (127)	138.4 (157)
1889-90 to 1893-91	26 (121)	402.6 (149)	64.3 (166)	8.3 (151)	172.6 (196)
1894-95 to 1898-99	31 (148)	522.1 (193)	86.7 (223)	11.7 (213)	244.8 (278)
1899-1900 to 1903-04	36 (171)	680 (251)	114.2 (294)	16.2 (295)	334.6 (380)
1904-05 to 1908-09	46 (219)	960 (355)	165 (425)	24.8 (451)	510.5 (580)
1909-10 to 1913-14	60 (286)	1,209 (443)	208.4 (537)	33.5 (609)	691.8 (786)
1914-15 to 1918-19	73 (348)	1,403.6 (519)	259.3 (668)	39.7 (722)	821.2 (933)
1917-18	76 (362)	1,428.5 (528)	266 (686)	40.6 (738)	834 (948)
1918-19	76 (362)	1,477.2 (546)	275.5 (710)	40 (727)	839.9 (954)
1919-20	76 (362)	1,563.5 (579)	280.4 (723)	41.0 (745)	856.3 (973)
1920-21	77 (367)	1,923.5 (712)	288.4 (758)	41.6 (745)	860.9 (968)
1921-22	81 (386)	2,122.4 (784)	288.4 (743)	43.0 (782)	908.3 (1,032)
1922-23	86 (409)	2,324.7 (859)	321.2 (828)	47.5 (863)	1,003.1 (1,140)
1923-24	89 (424)	*2,385.8 (881)	330.4 (851)	49.0 (891)	1,043.4 (1,185)
1924-25	90 (424)	2,213.3 (818)	341.7 (881)	50.3 (914)	1,067.6 (1,213)
1925-26	90 (429)	2,134.7 (788)	331.3 (854)	50.5 (918)	1,063.7 (1,209)
1926-27	93 (443)	2,119.8 (783)	333.6 (860)	51.0 (927)	1,083.8 (1,231)
1927-28	93 (443)	*2,119.7 (783)	335.8 (865)	52.2 (949)	1,105.6 (1,256)
1928-29	95 (452)	*2,126.6 (785)	313.8 (886)	52.4 (953)	1,108.1 (1,259)
1929-30	98 (466)	2,186.6 (807)	343.2 (886)	53.9 (980)	1,140.4 (1,296)
1930-31	100 (476)	2,360.6 (872)	307.6 (793)	61.8 (1,123)	1,221.9 (1,392)

* Revised

The production of the mills has increased to a still greater extent. The following figures show the exports of jute manufactures and the declared values for the same periods. The value of jute manufactures exported by sea in 1924-25 was over thirty-three times as great as the average value of the export in the period 1879-80 to 1883-84 —

	Jute manufactures		Value in lakhs of Rs
	Gunny bags in millions of number	Gunny cloths in millions of yards	
1879-80 to 1883-84	54.0 (100)	4.4 (100)	124.9 (100)
1884-85 to 1888-89	77 (140)	15.4 (350)	162.9 (130)
1889-90 to 1893-91	111.5 (203)	41 (932)	239.3 (232)
1894-95 to 1898-99	171.2 (312)	192 (4,136)	518 (415)
1899-1900 to 1903-04	206.5 (376)	427.2 (9,709)	826.5 (662)
1904-05 to 1908-09	257.8 (469)	698 (15,864)	1,449.7 (1,154)
1909-10 to 1913-14	339.1 (618)	970 (22,045)	2,024.8 (1,621)
1914-15 to 1918-19	667.6 (1,216)	1,156 (26,273)	4,019.3 (3,218)
1919-20	342.7 (624)	1,275.1 (28,980)	5,001.5 (4,004)
1920-21	533.9 (987)	1,352.7 (33,800)	5,299.4 (4,273)
1921-22	386.7 (715)	1,120.5 (28,000)	2,999.5 (2,419)
1922-23	344.2 (637)	1,254.3 (31,350)	4,049.4 (3,265)
1923-24	413.7 (752)	1,348.7 (30,652)	4,228.3 (3,352)
1924-25	425.1 (774)	1,456.2 (33,095)	5,148.8 (4,122)
1925-26	425.0 (774)	1,461.3 (33,211)	5,752.1 (4,605)
1926-27	449.0 (818)	1,503.1 (34,161)	5,281.3 (4,222)
1927-28	463.1 (843)	1,552.7 (35,289)	5,321.8 (4,260)
1928-29	497.6 (906)	1,568.2 (35,640)	5,656.4 (4,528)
1929-30	522.3 (951)	1,650.5 (37,511)	5,158.7 (4,130)
1930-31	434.0 (790)	1,270.9 (28,884)	3,148.8 (2,521)
1931-32	388.5 (707)	1,021.0 (23,204)	2,138.6 (1,712)

Until the outbreak of war the exports by sea of raw jute were marked by increases from year to year although the increase was very much less than that in the case of manufactures. During the war years exports declined very considerably. The cessation of the war stimulated the export trade and in 1919-20 the export showed an increase, as compared with the average of the war quinquennium (1914-15 to 18-19). In the following two years, the export recorded a decrease and in 1922-23 they again made a recovery and amounted to 573,000 tons.

	Jute, raw, ton	
Average 1879-80 to 1883 84	375,000	(100)
„ 1884-85 to 1888-89	445,000	(119)
„ 1889-90 to 1893-94	500,000	(133)
„ 1894-95 to 1898-99	615,000	(164)
„ 1899-1900 to 1903-04	635,000	(169)
„ 1904-05 to 1908-09	755,000	(204)
„ 1909-10 to 1913-14	765,000	(204)
„ 1914-15 to 1918-19	464,000	(124)
Year 1919-20	692,000	(185)
„ 1920-21	472,000	(126)
„ 1921-22	468,000	(125)
„ 1922-23	573,000	(154)
„ 1923-24	600,000	(160)
„ 1924-25	696,000	(185)
„ 1925-26	647,000	(172)
„ 1926-27	708,000	(189)
„ 1927-28	892,000	(238)
„ 1928-29	898,000	(239)
„ 1929-30	807,000	(215)
„ 1930-31	620,000	(165)
„ 1931-32	557,000	(157)

The total quantity of jute manufacture exported by sea from Calcutta during the year 1922-23 was 668,000 tons as against 639,000 tons in the preceding year and 603,500 tons in the pre-war year 1913-14. The value of these exports amounted to Rs 40,28 lakhs or an increase of Rs 10,36 lakhs over the preceding year and Rs 12,08 lakhs over the pre-war year. The shipments of gunny bags were valued at Rs 15,82 lakhs and of gunny cloth Rs 24,24 lakhs as against Rs 13,86 and Rs 15,92 lakhs respectively in the preceding year and Rs 12,48 and Rs 15,58 lakhs in the pre-war year.

The price of raw jute reached a very high point in 1906-07, the rate being Rs 65 per bale. In 1907-08 it dropped to Rs 42 per bale, and the fall was accentuated in 1908-09 and 1909-10, the price having declined to Rs 36 4 and Rs 31. In 1917-18 it dropped to Rs 38 8-0 but rose again in 1919-20 up to Rs 77-8-0. In 1920-21 it dropped to Rs 65 but rose again to Rs 86. It again declined to Rs 66 in 1921-22 the price rose to Rs 73 at the end of September, but

fell back again to Rs 70 at the end of November and recovered at Rs 64 at the close of the year.

Average price of jute ordinary,
per bale of 400 lbs

	Rs	1	p	
1879-80 to 1883 84	23	8	0	(100)
1884-85 to 1888 89	23	3	2	(99)
1889-90 to 1893 94	32	6	5	(138)
1894-95 to 1898 99	30	12	0	(131)
1899-1900 to 1903 04	32	1	7	(137)
1904-05 to 1908 09	44	13	6	(191)
1909-10 to 1913 14	51	0	10	(217)
1914-15 to 1918 19	50	6	5	(214)
1917-18	38	8	0	(164)
1918-19	60	0	0	(255)
1919-20	77	8	0	(330)
1920-21	69	5	0	(296)
1921-22	63	0	0	(268)
1922-23	73	0	0	(310)
1923-24	75	0	0	(234)
1924-25	89	2	0	(378)
1925-26	124	2	10	(328)
1926-27	83	5	9	(353)
1927-28	72	8	4	(313)
1928-29	76	13	0	(327)
1929-30	66	11	2	(284)
1930-31	42	0	0	(180)
1931-32	35	0	8	(163)

The average prices of gunny cloth have been as follows —

Price of Hessian cloth
10½ oz 40" per 100 yds

	Rs	1	p	
1879-80 to 1883 84	10	7	11	(100)
1884-85 to 1888 89	8	0	7	(77)
1889-90 to 1893 94	10	6	6	(98)
1894-95 to 1898-99	5	11	8	(98)
1899-1900 to 1903 04	10	2	10	(97)
1904-05 to 1908 09	11	14	1	(112)
1909-10 to 1913-14	12	12	2	(122)
1914-15 to 1918-19	23	5	7	(222)
1917-18	33	8	0	(314)
1918-19	33	0	0	(314)
1919-20	28	0	0	(267)
1920-21	20	8	0	(196)
1921-22	14	8	0	(138)
1922-23	21	12	0	(209)
1923-24	19	13	0	(190)
1924-25	22	9	0	(214)
1925-26	24	3	0	(228)
1926-27	19	9	0	(186)
1927-28	21	13	3	(208)
1928-29	22	12	10	(212)
1929-30	17	4	9	(165)
1930-31	12	1	7	(115)
1931-32	11	0	0	(105)

The 1932 crop —The final figures of outturn for the three provinces work out as follows —

PROVINCE	YIELD IN BALES	
	1931	1932
Bengal (including Cooch Behar & Tripura States)	5,002,700	6,213,500
Bihar and Orissa	† 367,200	† 543,500
Assam	196,600	340,100
Total	5,566,500	7,097,100

PROVINCE	AREA IN ACRES	
	1931	1932
Bengal (including Cooch Behar & Tripura States)	1,613,700	1,845,700
Bihar and Orissa	148,800	170,000
Assam	99,300	127,400
Total	1,861,800	2,143,100

† Including Nepal

The Indian Jute Mills Association now one of the most important, if not the most important, of the bodies affiliated to the Bengal Chamber of Commerce, was started under the following circumstances —In 1886 the existing mills, finding that in spite of the constant opening up of new marks working results were not favourable, came to an agreement, with the late S E J. Clarke, Secretary to the Chamber of Commerce, as trustee, to work short time. The only mills which stood out of this arrangement were the Hooghly and Serajgunge. The first agreement, for six months dating from 15th February 1886, was subsequently renewed at intervals without a break for five years up to February 15, 1891. The state of the market at the time of the renewals dictated the extent of the short time, which varied throughout the five years between 4 days a week, 9 days a fortnight and 5 days a week. Besides short time, 10 per cent of the sacking looms were shut down for a short period in 1890. An important feature of this agreement was a mutual undertaking by the parties not to increase their spinning power during the currency of the agreement, only a few exceptions being made in the case of a few incomplete new mills.

The present officials of the Association are —
Chairman —Mr H H Burn, M L C,
Members of Committee —

Mr Sheokissen Bhatler, Mr P S Macdonald, Mr S K Acott, Mr W A M Walker, M L C, Mr A Wilson, Mr D Wilson

Working days —With the introduction of the electric light into the mills in 1896, the

working day was increased to 15 hours, Saturdays included, which involved an additional amount of cleaning and repairing work on Sundays. In order to minimise this Sunday work and give them a free Sunday, an agitation was got up in 1897 by the Mill European assistants to have the engines stopped at 2 or 3 p.m. on Saturdays. The local Government took the matter up, but their action went no further than applying moral suasion, backed by a somewhat half-hearted threat. The Mill Association held meetings to consider the question and the members were practically agreed as to the utility of early closing on Saturdays, but, *more suo*, could not trust themselves to carry it out without legislation. Unfortunately the Government of India refused to sanction the passing of a Resolution by the provincial Government under the Factory Act and the matter was dropped. Only a year or two ago the Jute Mills Association in despair brought out an American business expert, Mr J H Parks, to advise them on the possibility of forming a jute trust with a view to exercising some control over the production and price of jute. Mr Parks came, and wrote a report which the Association promptly pigeon holed because the slump was over and the demand was so prodigious that there was no need to worry about the price of jute.

The working agreements referred to above have been followed by others, differing in points of detail, but with the same object in view namely the restriction of production. During the past 10 years a policy of curtailment of output has been continuously in force. The mills in the membership of the Association,

comprising some 95 per cent of the trade, are at present working 10 hours per week, with 15 per cent of the total complement of looms closed, and the current agreement incorporates a clause which provides that the mills will not instal any extra productive machinery or relative buildings during the currency of the agreement, which will remain in force until three months notice of intention to alter the present working arrangements, or to terminate the agreement, has expired. In addition to this working arrangement, which as has been stated above applies only to the mills in the membership of the Association, there came into force with effect from 1st August 1912 an agreement with the five principal mills outside the Association, namely, Adamjee, Azarpara, Gagalbhai Jindlow and Shree Humnum, whereby these mills have undertaken to restrict their working hours to 54 per week up to 30th June 1913. With certain modifications this agreement has since been extended and is now a continuing agreement, subject to six months notice of termination being given by either party, but this notice cannot be given before the 1st July 1913. Five of the Association mills—Promchand, Crake, Waverley, Megna and Nudda—have also been granted the privilege of working 54 hours per week with a full complement of machinery.

An Association, styled the Calcutta Jute Dealers Association, has been formed in Calcutta to promote and to guard the common interests of its members as dealers in jute for local consumption. The members are bankers and brokers of jute for sale to the jute mills in and around Calcutta. The present Committee—Mr H A Tule, *Chairman*. Members—Mr D King, Mr H L Vinton, Mr G C Moon, Mr A C Robertson, Mr J W R Steven.

Effects of the War—The official review of the Trade of India in 1916-17 says—The value of the exports of raw jute increased in 1916-17 by nearly Rs 65 lakhs to Rs 1,020 lakhs. The quantity exported, however, was less than in the preceding year. The estimated yield of the crop was 12 per cent above that of the previous year, viz., 1,490,000 tons or 8,340,000 bales. Owing to the lack of tonnage and other abnormal circumstances brought about by the war, the quantity exported was 10 per cent below that of the previous year. Of the consumers the United Kingdom and Italy took less, while the United States, France (mainly via Dunkirk), Russia (via Vladivostok) and Brazil took greater quantities. There were, of course, no exports to enemy countries which took more than 27 per cent in the five years ending 1913-14, the pre-war year. The increase in the value accompanied by a decrease in the volume of exports was due to the very high range of prices during the months of September, October, November and December. Towards the close of the year under review prices steadily declined, and have since gone still lower.

Jute Manufactures—The value of the exports now approximates to Rs 42 crores. In spite of the war with its attendant difficulties of freight and finance, the exports of gunny cloth showed an increase of Rs 241 lakhs of which Rs 163 lakhs were due to higher prices and Rs 78 lakhs to an increase in the volume of exports. There were also an increase of Rs 118 lakhs in the value of gunny bags

exported. The number of bags shipped increased while the weight decreased, and bags for war purposes being lighter than the ordinary bags for transporting grain. Exports to Australia in 1916-17 were a record. The United Kingdom with Australia took more than half of the number of bags exported while the United States took more than half of the quantity of cloth exported.

There were 74 mills at work throughout the year with 41,292 looms and 86,739 spindles. The number of persons employed was 2,28,841. There were no difficulties as regards the supply of labour.

The number of gunny bags shipped from Calcutta during 1922-23 declined from 750 million bags to 732 million bags, but the value increased from Rs 17,87 lakhs to Rs 15,82 lakhs. Shipments of gunny cloth rose from 1,120 million yards to 1,251 million yards, valued at Rs 17,02 lakhs and Rs 21,21 lakhs respectively.

Hemp and Jute Substitutes

Experiments have been made during the last few years by the Agricultural Department of the Government of India with the Decan hemp plant (*Hibiscus cannabinus*), which yields a fibre very similar to jute. As a result, a new variety of the plant, known as Type 3, has been obtained, which it is now proposed to introduce into several parts of India, and, as a beginning, the variety is to be grown on a number of estates in Bihar. A sample of the fibre prepared from this variety by the usual methods of retting was 10 ft to 12 ft long, of an exceptionally light colour, well cleaned, and of good strength. It was valued at £15 per ton with Himliparum jute at £12 10s and Bengal first mark jute at £17 per ton. Decan hemp has been grown fairly extensively in Bombay, the Central Provinces, and Madras where it is used for ropes and cordage and also for the manufacture of a coarse sack cloth. A valuable feature of the plant is its suitability for cultivation in such parts of India as are not suitable for jute.

Prior to the war, the United Kingdom's requirements of hemp were mainly supplied by the following countries in order of importance—the Philippine Islands, New Zealand, India, Russia, Italy and Germany. The opinion appears to be held that the effect of the war will be to cause very considerable changes in the character of the fibre market. There will probably be labour difficulties, it is thought, in the preparation of the hemp crops of Russia and Hungary and it is not unlikely that the world will look to countries such as India for the supply of fibres which may be used as substitutes for the European varieties of hemp. There can be no doubt that one of the early effects of the war was to firm up hemp prices. As far as India in hemp is concerned, values were persistently depreciated during the first six months of 1914 owing to large stocks held, but the closure of the Russian hemp market on the outbreak of war resulted in a marked improvement in values, and there was a keen demand and a considerable rise in price. Exports from Calcutta during 1922-23 made a great recovery from the previous year. The quantity advanced by 37 per cent from 197,412 cwt to 269,487 cwt and the value from Rs 26.93 lakhs to Rs 36.68 lakhs.

THE WOOL INDUSTRY

Wool exported from India consists not only of wool grown in India itself, but of imports from foreign sources, these latter coming into India both by land and by sea. Imports by sea come chiefly from Persia, but a certain quantity from Persia also comes by land, while the main imports are from Afghanistan, Central Asia, Tibet and Nepal. Quetta, Shikarpur, Amritsar and Multan are the main collecting centres for wool received by land from Afghanistan and Persia, whence it is almost invariably railled to Karachi for subsequent export overseas.

Imports and Exports—A considerable amount of wool is imported annually from Tibet, and in normal years, from Afghanistan. Imports of raw wool in 1932-33 amounted to 7.2 million lbs valued at Rs 12 lakhs, showing a marked increase compared with the previous year. Australia was the largest supplier with 3 millions lbs and the United Kingdom sent 2.1 million lbs, thus ousting Persia from the second place.

Production in India—The production of wool in India is estimated at 60 million lbs, the estimate being arrived at from the available figures of the number of sheep in the country and their estimated yield per fleece, the average quantity of wool yielded per sheep per annum being taken at only 2 lbs.

All Indian wools are classed in the grade of carpet wools, and it is correct to say of perhaps fully half the breeds of sheep found on the plains of India that they yield a kind of hair rather than of wool. They are reared chiefly on account of the mutton, and the fleece has been generally regarded as of subsidiary interest. In many respects, in actual fact, the Indian plains sheep approximate more nearly to the accepted type of the goat rather than of the sheep. Short remarks in his manual on Indian cattle and sheep, particularly with respect to the Madras type, that they "resemble a greyhound with tucked up belly, having some coarseness of form, the feet light, the limbs bony, sides flat and the tail short".

Mill manufacture—The number of mills in British India in 1930, the latest year for which details are available, was 12 of which five were

in the United Provinces. The paid up capital of these mills was Rs 68,28,576 and the number of looms and spindles was 1,447 and 69,293 respectively. The average number of persons employed daily in these mills was 4,240. There are no complete figures of production, the last year for which they are available being 1921 when the quantity of woollen goods produced was 3,820,879 lbs valued at Rs 1,17,90,396. As regards Indian States there are four woollen mills in Mysore which produced woollen goods of 2,700,201 lbs, in weight in 1930, the value being Rs 17,83,256. The bulk of the wool used by the Indian mills is Indian wool, although it is supplemented to some extent by the importation of merinos and cross breeds from Australia for the manufacture of the finer classes of goods. Their market for manufactured goods is almost entirely in India itself. Imports of woollen piecegoods in 1932-33 increased by over 8 million yards as compared with the preceding year, and even exceeded the imports of 1929-30 by about a million yards. Imports came chiefly from France, Italy, Japan and the United Kingdom. There was a considerable increase in the number of woollen shawls imported in 1932-33, Germany being the largest single source of supply. Imports of carpets and floor rugs declined to 188,000 lbs in 1932-33 from 267,000 lbs in 1931-32. The share of Persia in this trade receded considerably, but imports from the United Kingdom rose.

Blanket weaving and carpet manufacture are carried on in various parts of the country, notably in the Punjab and the United Provinces. Woollen pile carpets are made in many of the jails. Amritsar had a considerable trade at one time in weaving shawls from *pashm*, the fine under fleece of the Tibetan goat, but its place has been taken to some degree by the manufacture of shawls from imported worsted yarns, but more generally by the manufacture of carpets of a fine quality which find a ready sale in the world market. This work is done entirely on hand looms and the carpets fetch a high price.

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Silk.

In the early days of the East India Company the Indian Silk trade prospered greatly, and various sub tropical races of the Silkworm were introduced. But the trade gradually declined for the following reasons —

In the seventeenth and eighteenth centuries India's chief competitor in the silk trade was the Levant Company. Successful efforts, however, were made to acclimatise in Europe one or two races of a temperate worm, procured from China and Japan. When sericulture became part of the agriculture of France and Italy, a quality of silk was produced entirely different from that of India and Turkey, and its appearance created a new demand and organized new markets.

All subsequent experience seems to have established the belief that the plains of India, or at all events of Bengal, are never likely to produce silk that could compete with this new industry. On the lower hills of Northern India, on the other hand, a fair amount of success has been attained with this (to India) new worm, as, for example, in Dehra Dun and Kashmir. In Manipur, it would appear probable that *Bombyx mori*, possibly obtained from China, has been reared for centuries. The caprice of fashion has, from time to time, powerfully modified the Indian silk trade. The special properties of the *Morah* silk were formerly much appreciated but the demand for them has now declined. This circumstance, together with defective systems of rearing and of hand-reeling and weaving, accounts largely for the present depression in the mulberry silk trade of India.

Mulberry-feeding worms—Sir George Watt states that in no other country does the necessity exist so pressingly as in India to treat the subject of silk and the silk industries under two sections, viz., Bombycidae, the domesticated or mulberry feeding silkworms, and Saturniidae, the wild or non-mulberry feeding worms. In India the mulberry worm (*Bombyx Mori*) has been systematically reared for many centuries, there being six chief forms of it. In the temperate tracts of India various forms of *Morus alba*, (the mulberry of the European silk-producing countries), are grown specially as food for the silkworm. This is the case in many parts of the plains of Northern India, Baluchistan, Afghanistan, Kashmir, and along the Himalaya at altitudes up to 11,000 feet. The other species even more largely grown for the Indian silkworm is *M. Indica* of which there are many distinctive varieties or races. This is the most common mulberry of Bengal and Assam as also of the Nilgiri hills.

India has three well known purely indigenous silkworms, the *tasar*, the *muga* and the *eri*. The first is widely distributed on the lower hills, more especially these of the great central tableland, and feeds on several jungle trees. The second is confined to Assam and Eastern Bengal, and feeds on a laurel. The third exists in a state of semi domestication, being reared on the castor-oil plant. From an art point of view the *muga* silk is the most interesting and attractive, and the cocoon can be reeled readily. The

eri Silk, on the other hand, is so extremely difficult to reel that it is nearly always carded and spun—an art which was practised in the Khasi Hills of Assam long before it was thought of in Europe.

Experiments and results—Numerous experiments have been made with a view to improving sericulture in India. French and other experts are agreed that one of the causes of the decline of the silk industry in India has been the prevalence of diseases and parasites among the worms, the most prevalent disease being pebrine. M. Lafont, who has conducted experiments in cross breeding, believes that improvement in the crops will be obtained as soon as the fight against pebrine and other diseases of the worms is taken up vigorously by the producers of seed and the rearers of worms, while improvement in the quality of the cocoons will be obtained by rearing various races, pure and cross breeds.

In Kashmir and Mysore satisfactory results have been obtained. In the former State sericulture has been fostered on approved European principles with Italian reeling machinery, seed being imported annually on a large scale. In 1897 in Mysore Mr. Tata, after selecting a plantation and site for rearing houses, sent to Japan for a Superintendent and trained operatives. The Mysore authorities have made a grant of Rs. 3,000 a year to the Tata farm in return for instruction given to the people of Mysore in Japanese methods of growing the mulberry and rearing the insects. The products of the Mysore State are exported to foreign countries from Madras. The work of the Salvation Army is also noteworthy in various parts of India. They have furnished experts, encouraged the planting of mulberry trees, and subsidised several silk schools. The draft prospectus has been issued of a silk farm and institute to be started at Simla under the auspices of the Salvation Army. The Lieutenant-Governor of the Punjab has permitted the school to be called after his name, and the Punjab Government made a grant of Rs. 2,000 towards the expenses. Sir Dorabji Tata has also made a donation of Rs. 1,000. The Bengal Silk Committee under the guidance of some French experts have conducted cross breeding experiments with a view to establish a multi voltine hybrid of European quality. There is a Government sericultural farm at Berhampore, where, it is said, a pure white multi-voltine of silk worm is reared. The results of the Bengal Committee's labours may be summed up as follows: the only really effective method of dealing with the problem is to work up gradually to a point at which the whole of the seed cocoon necessary for the province will be supplied to rearers under Government supervision, and to establish gradually a sufficient number of large nurseries throughout the silk districts of the province.

In 1915 there was issued by the Agricultural Research Institute, Pusa, a *Bulletin* (No. 48 of 1915) entitled "First Report on the Experiments carried out at Pusa to improve the Mulberry

Silk Industry—In a short Prefatory note Mr Bambridge Fletcher (Imperial Entomologist) explains that the object of the Bulletin is to place on record some of the more important experiments which were commenced at Pusa, in the year 1910 and have since been carried on in the endeavour to fix a superior multivoltine race of the Mulberry Silkworm which would not degenerate and which would yield silk better both in quality and outturn than that supplied by the multivoltine races which are reared at present.

Central Nurseries—The report of the Agricultural Department, Bengal, for the year ending June 30, 1913, gives an account of a scheme which has been devised with the object of reclaiming the silk industry. The aim of the scheme is gradually to establish throughout the silk districts a sufficient number of central nurseries with rearing houses and thus enable the whole of the seed cocoons required in the province to be supplied under Government supervision. It is believed that this is the only really effective method of dealing with the problem. A number of the existing smaller nurseries were closed during 1913 and others are being converted into enlarged and improved central nurseries with rearing houses complete. The ultimate success of the scheme depends

largely on the willingness of the rearers to pay an adequate price for pure seed.

A pamphlet was published in 1915, by Mr M N De, Sericultural Assistant at Pusa, which contains practical hints on improved methods which are recommended to be used for reeling mulberry silk in Bengal and other silk producing districts. It has been found that, by the provision of two small pulleys to the ordinary Bengal type of reeling machine, superior thread can be obtained, the cost of the extra apparatus is merely nominal (five or six annas per machine) whilst the suitability of the machine for cottage workers is maintained. By attention to such simple points as the stifling and storage of cocoons and the temperature and quality of the water used in the reeling pans, great improvements can be effected in most silk centres in Bengal and other districts.

Exports of Silk—As a result of the war the trade has shown in some degree signs of revival from its decadent condition, both as regards its volume and value. The value of exports during 1915-16 improved by Rs 12 lakhs to Rs 27½ lakhs, of which raw silk accounted for Rs 24 lakhs. In 1916-17 the total exports rose to Rs 54½ lakhs. In 1932-33 exports of raw silk and silk manufactures amounted to Rs 318 lakhs in value, compared with Rs 334 lakhs in the previous year.

Indigo.

Indigo dyes are obtained from the Indigofera, a genus of Leguminosae which comprises some 300 species, distributed throughout the tropical and warm temperate regions of the globe, India having about 40. Western India may be described as the headquarters of the species, so far as India is concerned, 25 being peculiar to that Presidency. On the eastern side of India, in Bihar, Bengal, Assam and Burma, there is a marked decrease in the number of species but a visible increase in the prevalence of those that are met with.

There is evidence that when Europeans first began to export the dye from India, it was procured from the Western Presidency and shipped from Surat. It was carried by the Portuguese to Lisbon and sold by them to the dyers of Holland, and it was the desire to obtain a more ample supply of dyestuff that led to the formation of the Dutch East India Company and so to the overthrow of the Portuguese supremacy in the East. Opposition to indigo in 17th century Europe was keen owing to its interference with the wool industry, but it was competition to obtain indigo from other sources than India that led to the first decline of the Indian indigo industry. In the middle of the eighteenth century, when the cultivation of indigo in the West Indies had

been given up—partly on account of the high duties imposed upon it and partly because sugar and coffee were found to be more profitable—the industry was revived in India, and, as one of the many surprises of the industry, the province of Bengal was selected for this revival. It had no sooner been organised, however, than troubles next arose in Bengal itself through misunderstandings between the planters, their cultivators and the Government, which may be said to have culminated in Lord Macaulay's famous *Memorandum* of 1837. This led to another migration of the industry from Lower and Eastern Bengal to Tirhut and the United Provinces. Here the troubles of the industry did not end, for the researches of the chemical laboratories of Germany threatened the very existence of any natural vegetable dye. They first killed the madder dye of Europe, then the safflower, the lac and the *al* dyes of India, and are now advancing rapidly with synthetic indigo, intent on the complete annihilation of the natural dye. Opinions differ on many aspects of the present vicissitude, meantime the exports from India have seriously declined, and salvation admittedly lies in the path of cheaper production both in cultivation and manufacture. These issues are being vigorously faced and some progress has been accomplished, but the future of the industry

can scarcely help being described as of great uncertainty. The issue is not the advantage of new regulations of land tenure, but one exclusively of natural *versus* synthetic indigo. (See Watt's "Commercial Products of India") In this connection it may be noted that increases in the price of coal in England, due to labour difficulties, have greatly strengthened the position of natural indigo. In February 1915 a conference was held at Delhi when the possibility of assisting the natural indigo industry was considered from three points of view—agricultural, research and commercial. The agricultural or botanical side of the question is fully discussed by Mr and Mrs Howard of Pusa in Bulletins Nos 51 and 54 of the Agricultural Research Institute. Other aspects of the question have been fully examined in the Agricultural Journal of India by Mr W. A. Davis Indigo Research Chemist

to the Government of India. An Indigo Cess Bill was passed in the Imperial Legislative Council in 1918. It provides for a cess on indigo exported from India for the scientific investigation of the methods of cultivation and manufacture of indigo, the proceeds of the cess being received and expended by Government.

Decline of the Industry—Since synthetic indigo was put upon the market, in 1897, the natural indigo industry of India has declined very rapidly, apart from slight recoveries in 1906-07 and 1911-12, the decline continued without a break until the revival due to the impossibility of obtaining artificial dyes in sufficient quantities during the war.

Exports from India fell to 300 cwts in 1932-33 from 800 cwts in the previous year.

OILS AND OIL CAKES

Oilseeds ranked seventh among India's exports in 1932-33 and represented 8.54 per cent of the total value of exports. The total exports of oilseeds fell from 958,000 tons valued at Rs 14.59 lakhs in 1931-32 to 733,000 tons valued at Rs 11.31 lakhs. Details of oilseeds exported during 1932-33 appear in the section of the Year Book dealing with exports.

A pamphlet on the subject which was published by the Commercial Intelligence Department points out that it is both economically and industrially unsound for India to export her oil seeds instead of manufacturing the oils and oil cakes in India. It allows other countries to reap the manufacturers' profits and at the same time deprives Indian agriculture of the great potential wealth, as cattle-food and manure, contained in the oil cakes. An immense quantity of oil is, as a matter of fact, already manufactured in this country by more or less crude processes. Village oil mills worked by bullocks and presses worked by hand exist in all parts of the country and supply most of the local demand for oil. There has also been a great increase in recent years in the number of oil mills worked by steam or other mechanical power. These crush all the commoner oil seeds and development has been especially marked in the case of mustard oil, castor oil and groundnut oil. In spite of all this there has been a perceptible diminution in the export of oil from India, particularly of coconut oil and linseed oil, and an increase in the export of oil seeds, which is particularly marked in the case of copra and groundnuts. The situation created by the War has naturally led to too much discussion of the possibility of developing on a large scale the existing oil-milling industry in India.

There are three difficulties with which any proposal to develop in India an oil-milling industry on a great scale is faced. In the first place, there exist high protective tariffs in European countries which encourage the export from India of the raw material rather than the manufactured product. Secondly, there is a better market for the oil cake in Europe than in India and the freight on oil seeds is less than the freight on cake. Thirdly, it is much easier and less expensive to transport oil seeds by sea than it is to transport oil. While this has been the position in the European markets, Indian-made oils, other than coconut oil, have made enough headway in Eastern markets to suggest the possibility of a development of those markets.

The problem of finding a market for oil cakes is equally important. The value of oil cakes is much better appreciated in Europe than in India. The Indian cultivator is prejudiced against the use of machine-made cake as a cattle food or as manure because he considers that it contains less oil and therefore less nourishment than the village-made cake. He is therefore unwilling to buy it except at a reduced price. His prejudices on this point have no justification in fact since experts are agreed that mill cake is a better food for cattle than village-made cake. Even when the mill cake contains less oil than the village cake, there is still more oil in the cake than cattle can digest. The excess of oil in the village cake where it exists, is a drawback and not an advantage to the use of the cake as food. A considerable amount of demonstration work has been done by the Agricultural Departments of Government in order to remove the cultivator's prejudices and there is said now to be an increasing demand for most classes of mill cake.

Tea.

Among plantation crops in India tea is the most important. The indigenous tea plant growing in a wild condition was first discovered in Assam about 1820. It soon drew the attention of the East India Company, which after some enquiries started an experimental garden in 1835. After working for five years it was handed over to the Assam Company. It may be said, however, that the foundations of the present tea industry were laid between 1856 and 1859. Since the latter date the growth of the industry has been phenomenal and in less than a hundred years the British Empire has become the tea garden and tea shop of the world.

The following table shows the growth of the industry since 1875 —

Progress of the Industry

Year	Area under tea in 000 acres	Production in 000,000 lbs.	Year	Area under tea in 000 acres	Production in 000,000 lbs.
1875-79 (average)	173	34	1925	672	135
1880-84 "	241	57	1926	679	364
1885-89 "	307	90	1927	690	361
1900-1904 "	500	195	1928	702	372
1910	533	249	1929	712	401
1915	594	352	1930	802	391
1920	654	322	1931	807	394
			1932	807	411

It will be seen from the above table that during the last fifty years, while the area under tea has risen by over 300 per cent, the production has increased more than ten times.

Assam and Bengal are the two most important centres of the tea industry in India. Assam alone accounting for more than half the total production.

The following table shows the various centres of the industry in the country and their relative importance —

Provinces	Area under crop 000 acres	Production '000 lbs	Average daily working strength (permanent and temporary)
<i>Assam —</i>			
Surma Valley	115	73,784	156,489
Assam Valley	285	185,157	400,995
Total	430	258,941	557,484
<i>Bengal —</i>			
Darjeeling	61	23,000	65,522
Jalpaiguri	128	85,127	125,632
Cuttack	6	1,517	5,715
Total	195	109,633	196,869
<i>Madras —</i>			
Nilgiris	32	11,403	30,750
Malabar	13	6,493	12,832
Coimbatore	22	9,700	27,217
Others	*	34	41
Total	67	27,630	70,852
<i>Coorg</i>	*	160	620
<i>Punjab</i>	10	1,930	10,995
<i>United Provinces</i>	6	1,189	3,871
<i>Bihar and Orissa</i>	4	853	2,002
Total British India	712	400,965	843,623
Indian States	77	32,033	56,810
Total India	789	432,998	930,472

* Less than 500 acres

Although India produces such large quantities of tea its consumption of tea is comparatively very little, about 57 million lbs as compared with 421 million lbs in the United Kingdom and the consumption per head is only 18 lb as compared with 9.20 lbs in the United Kingdom. The low domestic consumption, however, enables India to export large quantities to other countries the principal among which is the United Kingdom. It is estimated that India supplies about 40 per cent of the world demand of this commodity. In 1932-33, 87 per cent of the total quantity of tea produced in India was exported abroad.

The year 1932-33 was one of the worst for the tea industry. In addition to the world-wide

depression, there was considerable over production with the result that producers of tea all over the world were faced with declining prices and accumulation of stocks. The preference granted to Empire teas did not prove sufficiently effective to check the consumption of cheap Java teas. Besides this there was only a small difference in the price of medium and common teas and there was thus no inducement to grow the former.

To check over production a scheme was therefore introduced to restrict production and to limit exports. A Bill giving legislative effect to the scheme was passed at the autumn session of the Legislative Assembly. The beneficial effects of this measure are already being seen.

The following table explains briefly the position as regards the *export of tea from India* —

Year	Amount exported (million of lbs)	Value in lakhs of rupees	Col 3 as percentage of value of total exports
1	2	3	4
1926-27	349	29.04	9
1927-28	362	32.48	10
1928-29	360	26.60	8
1929-30	377	26.01	8
1930-31	356	23.56	
1931-32	341	19.44	
1932-33	379	17.15	

The following figures show the proportion of exports of tea from India by sea sent to different parts of the world to the total exports —

	1928-29 per cent	1929-30 per cent
To United Kingdom	83.0	84.2
To Rest of Europe	2.0	2.2
To Asia	5.8	3.8
To America	5.7	5.8
To Australia	1.6	1.3
To Africa	1.9	2.7
	100	100

The following table gives the average wholesale prices of tea in Mincing Lane from 1922-30, in pence per lb —

Year	North India	South India
1922	15.46	14.00
1923	18.76	18.14
1924	19.92	19.02
1925	17.68	17.62
1926	19.36	19.00
1927	19.01	18.88
1928	16.49	15.40
1929	15.72	15.35
1930	14.69	14.52

A considerable quantity of Indian tea imported into the United Kingdom is normally re-exported to other foreign countries.

From 1923 to 1927 the prices obtained for tea were good, but in 1928 a decline set in, and in 1929 and 1930 prices fell further still. The price of Indian common tea particularly fell more than that of others. While as compared to 1923, all tea fluctuated in the London market within a range of 25 per cent, Indian common tea fell by about 50 per cent.

In 1932-33 the fall in tea prices was almost catastrophic. The average price of tea per lb realised at the Calcutta auction sales during 1922-3 was 5 as 2 p as against 6 as 5 p in 1931-32 and 9 as 4 p in 1930-31.

The following table shows the variations in the average prices of Indian tea sold at auction sales in Calcutta and the index numbers of these prices with base 1901-02 to 1910-11 = 100 —

	Average price at auction sales	
	Price per lb As p	Index Number
1901-02 to 1910-11	6.0	100
1927-28	14.10	247
1928-29	11.4	189
1929-30	9.11	165
1932-33	5.2	

The fall in tea prices greatly affected the profits of tea companies. The following table which shows the profit per acre of 65 tea companies gives an idea of the effect on profits of the fall, in prices —

Profit per Acre of 65 Indian Tea Companies

	1913	1924	1928	1929
Average profit per mature acre	£ 6-10-7	£ 15-2-0	£ 10-0-0	£ 6-9-0
Average profit in pence per lb	2 6	6 4	3 84	2 26
Average crop per mature acre	599 lbs	560 lbs	625 lbs	684 lbs

It is quite clear from the above table that although the yield per acre has considerably increased, the profits per acre are actually lower than in 1913.

The main reasons of the slump in the tea industry are over-production and intense competition, particularly from Java and Sumatra. In order to counteract the adverse influence of the former, an agreement to restrict output, was reached early in 1930 by associations of tea-growers. For India and Ceylon the degree of restriction to be undertaken varied according to the quality of the tea produced, being greater for the lower qualities than for the finer.

According to the latest agreement between the Indian, Ceylon and Netherlands East Indies produces, for five years from 1933 awards exports are to be restricted and extension of cultivation not to be permitted beyond 2 per cent of the present planted area.

During the year 1931-32 there was a considerable fall in the wages of workers on tea plantations. The average wages of men, women and children in the Assam Valley were Rs 12 8-5, 9 8-7 and 6 15 8, respectively, as compared with Rs 14 0 11, 10 12-7 and 7-4-7, respectively, in 1930-31. In the Surma Valley the average earnings fell from Rs 9 7-2 to Rs 7 14-11 in the case of men, Rs 7-10 5 to Rs 6 1-1 in the case of women and Rs 5 3 6 to Rs 4-9-1 in the case of children.

Under the Ottawa agreement Indian Tea has been granted preference by Great Britain.

The following are the important recommendations made by the Royal Commission on Indian Labour in regard to the Tea Industry. The recommendations contained therein are very vital to the future welfare of the industry and the principal amongst them have therefore been reproduced below —

(1) No further legislation making a breach of contract of service a criminal offence should be countenanced.

(2) The power conferred by section 3 of the Assam Labour and Emigration Act to prohibit recruitment in Assam in particular localities

should be withdrawn immediately and no barrier should be set up to prevent free movement of labour from one part of India to another.

(3) The Assam Labour and Emigration Act should be repealed and a new measure set up in its place.

(4) The Assam Labour Board should be abolished.

(5) The Government of India should appoint a Protector of Immigrants in Assam to look after the interests of emigrants from other Provinces who have not yet settled in Assam.

(6) Every future assisted emigrant to an Assam tea garden should have right after the first three years to be repatriated at the employers' expense.

(7) A worker dismissed before the expiry of the three years should be entitled to repatriation at the expense of the employer dismissing him, unless it is established that the dismissal was due to wilful misconduct.

(8) The establishment of statutory wage-fixing machinery, if practicable, is desirable, and there are reasons for believing that, if proper methods are adopted, a practicable scheme can be devised.

(9) Before legislation is undertaken, one enquiry should be undertaken as to the most suitable form of machinery, the actual rates paid and the variation in these rates between district and district and garden and garden.

(10) Maternity benefits should be provided for by legislation.

(11) The employment, either directly or with their parents, of children before the age of 10 years should be prohibited by law.

(12) Boards of Health and Welfare should be established under statute for convenient planting areas.

Some of the above recommendations have already been taken up by the Government of India for legislative or administrative action.

Coffee.

Such historical evidence as is available on the subject shows that coffee was first introduced into India from Mecca as early as the 16th Century. The first coffee garden was planted by a European about 1840 but the industry thus started did not flourish till 1860.

The production of coffee in India is mostly confined to the South. The area under coffee in 1930 (including plantations of less than 10 acres) was 1,63,000 acres, an increase of 14 per cent over the figures for 1925.

The total exports of coffee decreased from 2,05,000 cwts in 1925-26 to 1,50,000 cwts in

1926-27, but in 1927-28 there was a sharp rise to 2,77,000 cwts. In 1928-29 and 1929-30 the shipments again declined and amounted to 1,98,000 cwts and 1,84,000 cwts respectively. In 1932-33 the quantity exported was 17,000 cwts. The principal countries to which Indian coffee was exported were, as usual, the United Kingdom and France.

Not only does India export coffee in large quantities but it also imports it chiefly from Java, Ceylon and the Straits Settlements which it re-exports to Mesopotamian Territory, Iraq and the Bahrain Islands.

The following table gives the figures of the production and exports of Indian coffee —

Production and Export of Indian Coffee in thousands cwts

12 Months ending June 30th	Production	Export	Surplus available for Home consumption
1925	272 1	251 9	20 2
1928	317 5	260 9	56 5
1929	247 8	142 6	105 2
1930	352 0	243 0	109 0

Making allowance for the re-exports from India of imported coffee, the consumption of Coffee in India in 1930 was approaching four times the amount consumed in 1925.

The total production of cured coffee in India during the season 1931-32 was nearly 34 million lbs as compared with 33 million lbs during the previous season. Exports declined from 293,000 cwts in 1930-31 to 156,000 cwts in 1931-32. The pre-war, war and post-war averages were 255,000 cwts, 216,000 cwts, 226,000 cwts respectively. Local consumption of Indian coffee which has been expanding expanded still further owing to the restrictions on imported coffee. As regards exports, the United Kingdom and France which constitute the principal markets, both increased their respective off-takes very considerably and required 52,000 cwts and 54,000 cwts as against 44,000 cwts and 43,000 cwts respectively in 1931-32. The total value of the exports of coffee was 1,10 lakhs in 1932-33 as against Rs 94 lakhs in 1931-32.

The daily average number of persons employed in the coffee plantations in 1929-30 was returned

at 92,504 of whom 55,972 were permanently employed and 36,532 temporarily employed as compared with 94,865 persons (44,744 garden and 19,094 outside labour permanently employed and 31,027 temporary outside labour) in 1928-29.

The general trade depression did not fail to affect the coffee industry but in addition to the general slump in trade there was an additional factor which depressed coffee prices and this was the exceptionally heavy crops of Brazilian coffee. Since the year 1925 there has been a general downward trend in coffee prices but until the end of 1929 the fall was comparatively slow, but since then it has been very rapid. This will be clearly seen from the fact that while the average wholesale price of Indian coffee in London was 140s in 1923 and 127s in 1929 it fell to 86s in 1930.

The declared value per cwt of coffee was Rs 60 11-9 in 1931-32 as against Rs 65 8 1 in 1930-31. It rose to Rs 63 6-7 in 1932-33. The wholesale price in India per cwt in April 1933 was Rs 72 0 0.

INDIAN TOBACCO

The tobacco plant was introduced into India by the Portuguese about the year 1605. As in other parts of the world, it passed through a period of persecution, but its ultimate distribution over India is one of the numerous examples of the avidity with which advantageous new crops or appliances are adopted by the Indian agriculturist. Five or six species of *Nicotiana* are cultivated, but only two are found in India, namely, *N. Tabacum* and *N. rustica*. The former is a native of South or Central America, and is the common tobacco of India. About the year 1829 experiments were conducted by the East India Company towards improving the quality of leaf and perfecting the native methods of curing and manufacturing tobacco. These were often repeated, and gradually the industry became identified with three great centres—namely, (1) Eastern and Northern Bengal (more especially the District of Rangpur), (2) Madras, Trichinopoly, Dindigul, Coconada and Calicut in Southern India, and (3) Rangoon and Moulmein in Burma. Bengal is the chief tobacco growing Province, but little or no tobacco is manufactured there. The chief factories are near Dindigul in the Madras Presidency, though, owing to the imposition of heavy import duties on the foreign leaf used as a cigar wrapper, some cigar factories have been moved to the French territory of Pondicherry.

The question of improving the quality of Indian tobaccos has received the attention of the Botanical section of the Agricultural Research Institute, Pusa, and three Memoirs have been published recording the results of investigations in that direction. The immediate problem at Pusa is the production of a good cigarette tobacco. Many attempts have been made in the past to introduce into India the best varieties of cigarette tobacco from America, but the results have been disappointing. It is now hoped to build up by hybridization new kinds of tobacco suited to Indian conditions of growth, which possess in addition the qualities necessary to obtain a better price.

Area under Cultivation—The cultivation of tobacco is very widespread in Burma. The two main varieties are called "Burmese tobacco" and "Havana tobacco." Of the Burmese tobacco there are two main varieties "Seywet-gyi," the large-leaved variety and "Seywet-gyun," a smaller-leaved variety with

pointed leaves. The former yields a heavier crop, but the latter gives better quality. There is always a great demand on the market for both the Havana and the Burma tobacco. The smooth leaves of the Havana plant are used for the wrappers and the coarser Burmese leaf for the filling.

The most important tobacco tracts in British India are—(i) the Coimbatore and Dindigul tract of Madras, where the *Usi-Kappal* and *Wara Kappal* varieties are largely grown, the former supplying the Trichinopoly cigar, (ii) the Godavari Delta of Madras, (iii) the Rangpur tract of Bengal, (iv) the Districts of Bihar and Orissa, (v) Guzerat in Bombay and (vi) the delta tract of Burma.

The season for harvesting varies in different localities ranging from December to June, but the bulk of the crop is harvested during the months of February, March and April. The leaves when quite dry, are assorted and placed in heaps in stacks to ferment. They are then tied into bundles of 25 or 30, a useless leaf being employed for tying each bundle. The leaves are laid perfectly flat, the bundles being fan-shaped. In this condition they are baled, the broom-like ends projecting outwards. By varying the degree of fermentation of the leaves, different qualities of tobacco are obtained. A black variety is used in India for cake tobacco, and this is the most common product, but a certain amount of yellow leaf is grown for cigar making.

Exports—Exports of unmanufactured tobacco declined by 9 per cent in quantity from 28 million lbs. 1930-31 to 25.4 million lbs. in 1931-32 and by 17 per cent in value from Rs. 97 lakhs to Rs. 81 lakhs. In the United Kingdom, notwithstanding a reduced consumptive demand Indian tobacco gained public favour with the increasing popularity of Empire grown tobacco and the shipments advanced from 10 million lbs. to 11 million lbs. There were, however, decreases in the exports to Aden, the Straits Settlements and the Netherlands which fell by 1 million lbs. each to 4, 1¹ and 1 million lbs. respectively. An interesting development of the trade is the rapid increase in purchases by China which absorbed 3 million lbs. in 1931-32 as compared with 1 million lbs. in the preceding year, while Japanese requirements slightly declined to 3.7 million lbs.

The Cocaine Traffic.

The form of cocaine chiefly used in India is Cocaine Hydrochloride. This salt forms light shining crystals, with a bitterish taste, and is soluble in half its weight of water. The alkaloid cocaine—of which this is a salt—is obtained from the dried leaves of the Erythroxylon Cocaine which grows in Bolivia, Peru, Java, Brazil and other parts of South America. The leaves are most active when freshly dried and are much used by the Natives as a stimulant. Tea made from them has a taste similar to green tea and is said to be very effectual in keeping people awake. In India the Coca plant seems never to have been cultivated on a commercial scale. It has been grown experimentally in the tea districts of Ceylon, Bengal and Southern India and has been found to produce a good quality and quantity of cocaine. As the plant has not been seriously cultivated and as there is no possibility for the present of the drug being manufactured in India, no restrictions have as yet been placed on its cultivation.

Spread of the habit—The cocaine traffic in India which seems to be reaching in alarming proportion in spite of legislation and strict preventive measures is of comparatively recent growth, though it is impossible to estimate how widespread it was in 1903 when the Bombay High Court for the first time decided that cocaine was a drug included within the definition of an intoxicating drug in the Bombay Abkari Act. Since that date the illegal sale of cocaine in India has largely increased and the various provincial Excise Reports bear witness to the spread of the "Cocaine habit." The consumers of the drug, which is notoriously harmful, are to be found in all classes of society and in Burma even school children are reported to be its victims, but in India as in Paris the drug is mostly used by prostitutes or by men as an aphrodisiac. The habit has spread chiefly to those classes which are prohibited by religion or caste rules from partaking of liquor and the well-known Indian intoxicating drugs.

Smuggling—So far as the cases already detected show, the persons who smuggle the drug by sea from Europe and places outside India, into India, are chiefly sailors, stewards, firemen and sometimes engineers and officers of foreign ships. The ports through which cocaine enters India are Bombay, Karachi, Calcutta, Madras, Marmagao and Pondicherry. The main inland distributing centres are Delhi, Lucknow, Meerut, Lahore, Mooltan, Surat and Ahmedabad. Delhi especially is notorious for the cocaine trade. Great ingenuity is employed in smuggling cocaine through the Custom houses. It is packed in parcels of

newspapers, books, toys and piece goods and in trunks which have secret compartments. The retail trade in the towns is very cunningly organized and controlled. In addition to the actual retailers, there is a whole army of watchmen and patrols whose duty is to shadow the Excise and Police officials and give the alarm when a raid is contemplated. During the War several cases of importation of Japanese cocaine were detected, the importers being Japanese and Chinese sailors. The original marks on the packets and phials are usually destroyed so that the name of the manufacturing firm may not be found out.

The Review of the Customs Administration in India for 1930-31 states that during the year a total of 17,345 grains of cocaine were seized by the Customs authorities, of which 1,792 ounces were valued at approximately Rs 1,80,000.

The amount seized is either given to Hospitals in India or destroyed. It is no longer possible to buy cocaine from any betelnut seller as it was ten years ago, but scores of cases in the Police Courts show that the retail trade thrives, though to a diminished extent, in Bombay. High profits ensure the continuance of the trade.

The Law in regard to Cocaine—This varies in different provinces. A summary of the law in Bombay is as follows. No cocaine can be imported except by a licensed dealer and importation by means of the post is entirely prohibited. The sale, possession, transport and export of cocaine are prohibited except under a license or permit from the Collector of the District. A duly qualified and licensed Medical practitioner is allowed to transport or remove 20 grains in the exercise of his profession, and as far as 6 grains may be possessed by any person if covered by a *bona fide* prescription from a duly qualified Medical practitioner. The maximum punishment for illegal sale, possession, transport, etc., under Act V of 1878 as amended by Act XII of 1912 is as follows. Imprisonment for a term which may extend to one year or fine which may extend to Rs 2,000 or both and on any subsequent conviction imprisonment for a term which may extend to 2 years or fine which may extend to Rs 4,000 or both. The law in Bombay has been further amended so as to enable security to be taken from persons who have been convicted of cocaine offences. The new Act also contains a section for the punishment of house owners who let their houses to habitual cocaine sellers.

The Opium Trade.

Mention opium and half the Western world directs its thought to India, as though India were a most unscrupulous producer of the most noxious drug on earth. Refer to the League of Nations' proceedings in regard to opium and again, mainly under the leadership of American representatives, one finds India and the Government of India held up to humanity as traffickers in opium and as thereby obstacles to making the world a better place to live in. In fact, neither India nor the Government of India has anything to be ashamed of in its opium history. Whatever may be the case in other countries, centuries of inherited experience have taught the people of India discretion in the use of the drug and its misuse is a negligible feature in Indian life. Abuse of its properties is rarer in India than the abuse of alcohol in Western countries. So much for the internal position.

The record as regards exports is equally clean. India has never driven hard bargains to secure the sale of the product overseas. Where it has been bought the reason is its superiority over other supplies, because of the stringent regulations by which its manufacture has always, under the British authorities, been regulated in India, in order to secure the purity and cleanliness of the finished product. Directly any importing country has expressed a desire to have the trade reduced, the Government of India have responded by stiffening their restrictions on export. There have, in recent years, mainly at the instance of America, been numerous International conferences with a view to making opium and drugs derived from it more difficult to obtain and in every case it has been found that India had already given the lead in the special regulations which it was proposed to lay down.

The China Trade—The classic case of Indian restriction of her export opium trade is provided by China. There is a long history of Indo-Chinese negotiations on the subject, but it is unnecessary to go further back into these than 1911. On 8th May of that year, there was drawn up between India and China an agreement under which the Government of India assented to (1) the payment of an import duty three times the existing amount in return for the promised abolition of provincial taxes, (2) the partial closure of China to Indian opium by provinces, including not only stoppage of transit passes, but also treaty port closure, Shanghai and Canton excepted, (3) the total extinction of trade before 1917 on proof of total cessation of opium production in China, and (4) revision of the agreement on due notice by either party. This agreement, as its terms indicate, was on the side of China the outcome of a professed desire to stamp out the opium trade and opium consumption in her midst. And on her side China, in the agreement, undertook, among other things, to reduce production in China *par passu* with the reduction of exports from India.

In addition to the limit to the China trade imposed by the agreement, the Government of India undertook in order to lessen the danger of smuggling into China, and as an earnest of their desire to assist that country, strictly to confine the remainder of Indian opium export

to the legitimate demands of the non-China markets. A figure was elaborately calculated for these markets and India drastically cut her non-China exports down to it in 1911. In subsequent years, she progressively reduced the permissible export limit and in 1913 she stopped exports to China altogether.

The financial sacrifice thereby undertaken by India in order to help the Chinese in their professed desire for reform amounted to many millions sterling a year. China never carried out her side of the bargain. She is still demonstrably the greatest opium producing country in the world and the only effect of the reduction, and eventual abolition, of imports from India is better trade for Chinese opium producers and merchants and largely increased imports of opium into China from Persia and Turkey.

Agreements observed by India—The Government of India have carried out to the letter their side of the 1911 agreement. They have gone further. Not only were exports to China stopped and exports to non-China countries in the East limited in accordance with the agreement with China, but exports to non-China countries have, on the voluntary initiative of India, been subjected to successive restraining agreements with the countries concerned. The Government of India introduced, with effect from 1st January 1923, a certificate system recommended by the League of Nations, whereby all exports of opium must be covered by certificates from the Government of the importing country that its consignment is approved and is required for legitimate purposes. The pressure exerted by the League of Nations in this regard was not pressure upon the Government of India but upon the Governments of the importing countries and, so far as India was concerned, the new system was welcomed because it removed from the shoulders of the Government of India all responsibility in regard to opium consumption in the importing countries and laid it upon their own respective Governments. In 1926, in order to fulfil the spirit of her international agreements, India decided, though she was in no way bound by their letter to do so, to reduce her exports to Far Eastern countries for other than medical and scientific purposes by 10 per cent yearly, so as to extinguish them altogether by December 1935, and effect has been given to that policy at considerable financial sacrifice. India is the only country that has made any considerable sacrifices of the kind.

International Aspect of the Problem—It was only during the processes and negotiations by which the Indian opium export trade to China was being suppressed that the Opium question began to assume a widely international aspect. This happened on the initiative of the U.S.A., at whose instance an International Opium Commission met at Shanghai in 1909 and formulated a series of recommendations for the suppression of opium smoking and the regulation of the use of opium and morphia. The United States thereafter advanced a further proposal for an International Conference at the Hague. This met on 1st December 1911, and finally drew up a convention on the subject, the terms of this document presented no new

iders to the Government of India. Their provisions India had long observed. As regards morphia and cocaine, with which the Hague Conference concerned itself, the uses of these drugs in India had long been subject to exceedingly strict regulations. But these two drugs, the use of which for other than medical purposes invariably takes the form of dangerous vice, were becoming a menace to the world. They were not included within the scope of the proposals submitted by the U.S.A. for the consideration of the Conference. It was mainly owing to pressure by the Government of India that they were included within the terms finally signed and the rigid and universal application of the articles of the Convention which apply to them would rid the world of the drug evil.

As regards prepared opium, that is to say smoking opium, India does not and never has exported it and the sale of it in India is prohibited. No opium is exported from India to the United States of America. None has been exported to Great Britain by private merchants since 1916. Exports to Great Britain are strictly limited to medicinal requirements and go officially from the Government of India to the British Government. Nor is Indian opium exported to any other country in Europe.

Indian Uses of Opium—There is a fundamental difference between the problem in India and that in foreign countries, particularly in America and Europe. America and Europe are principally concerned with the problem of the vicious consumption of cocaine and morphia and it is on the experience of the abuse of these drugs in those countries that much of the condemnation of Indian policy is based. It is accepted that the consumption of opium in America and Europe is in effect hardly less disastrous than that of morphia and cocaine. And the reason is that to Americans and Europeans opium is an unaccustomed drug. The habit of its use being both new and strange to them, it is never used to moderation but always abused, and the results have no relation to the result of moderate opium eating in India. The fact appears to be that peoples require a tolerance to drugs to the use of which they are long habituated. Opium has been used in India since the 16th century at least. The method of use is eating and in India, generally speaking, eating seems to do little, if any, harm. Smoking, which is the habit of the Far Eastern races, rather than of the Indian races, seems to do much more harm in India than eating, while on the other hand where smoking is in ordinary use competent authorities (e.g., the Royal Commission on opium in Malaya) think eating to be more harmful than smoking.

The Government of India have fully participated in the different International Conferences on the drug question and responded to the obligations which her assent to their conclusions has placed upon her in regard to home consumption. But the principal effect upon India of these International discussions has been to draw the fresh attention of her Government and people to the opium situation in her midst, to cause consultations on the subject between the Government of India and the Indian Legislature and to produce what may be described as considerable intelligent progress in the development of those regulations upon the use of opium which are time honoured

The Commission of 1895—Despite all this, the principles of Indian internal opium policy essentially remain, subject to certain changes of scientific opinion in regard to medicinal uses, those laid down by a Royal Commission which was appointed by His Majesty's Government, mainly as a result of the activities of the Society for the Suppression of the Opium Trade, in 1893, to inquire into all the circumstances connected with the production and sale of Indian opium. The Society which was largely instrumental in bringing about the institution of the inquiry, recorded its opinion that the appointment of the Commission constituted "the greatest and most solid forward step that the movement for the suppression of the opium trade has yet made" and considered that the Royal Commission was "as fair-minded and impartial a tribunal as the Society could have desired to hear its case." The results of the enquiry were published in 1895 in seven volumes.

The Royal Commissioners examined with the greatest care the problem of opium consumption in India and in brief they found that it was not only subject to careful regulation but was governed by longstanding and admirable disciplinary habits among the people. Excessive use, they found, was exceptional, and condemned by public opinion. As regards the legal restriction of its use to medical needs, they advised that Government could do no more than limit the extent of cultivation and hold a monopoly of manufacture and wholesale supply and that to draw a line in popular opinion between medical uses and those not strictly so describable would be impracticable. They agreed that the mass of Indian opinion was opposed to prohibition as an unnecessary restriction on individual liberty and interference with established customs and habits. Apart from the religious question they found Indians generally to consider the use of alcohol to be more objectionable, more injurious and more disgraceful.

"The Government of Lord Hardinge, in a Despatch to His Majesty's Government in 1911, and that of Lord Reading, in a despatch dated 24th March, 1921, both in the same words took their stand on the conclusion of the Royal Commission "that the opium habit as a vice scarcely exists in India; that opium is extensively used for non-medical and quasi-medical purposes, in some cases with benefit and for the most part without injurious consequences, that the non-medical uses are so interwoven with the medical uses that it would not be practicable to draw a distinction between them in the distribution and sale of the drug and that it is not necessary that the growth of the poppy and the manufacture and sale of opium in British India should be prohibited except for medical purposes." The despatch of Lord Hardinge's Government was approvingly quoted by Lord Reading's Government a few years ago. It has long been recognised that any attempt to eradicate by law the use of opium would be open to all the objections involved in bureaucratic interference with popular custom. Eating it is largely quasi-medical, it is used for the prevention, cure and alleviation of disease, as a prophylactic as an anodyne and as the commonest and most treasured household medicine of the people, to whom qualified medical assistance is inaccessible. It is also taken as a solace, as a tonic and as a

re torative to lessen or avert fatigue and in other ways in which, when moderately used, it is relatively innocuous

Present Policy—The current attitude and policy of the Government of India were lately explained in their behalf to the League of Nations at Geneva. Their representative declared that any genuine measure of reform initiated by a Provincial Minister in connection with it would receive encouragement and support from the Central Government and showed that the policy of that Government is, and has been, one of non-interference with the moderate use of raw opium, whether the object of the consumer be some real or supposed physical benefit or merely the indulgence of the almost universal desire of human beings, particularly those whose occupations involve exposure or severe bodily exertion, for a stimulant or narcotic. Excessive indulgence it is and always has been the desire of Government to express.

Opium is under the current Indian constitution a Provincial Transferred Subject. Nevertheless, owing to the jealous watching and criticism by observers in every continent, the Government of India called an official All-India Conference, which was opened at Simla by Lord Irwin, on 5th May 1930, to consider the question of certain areas where opium consumption was alleged to be unduly high. This followed on the prosecution of special provincial inquiries by committees set up by the Local Governments at the special instance of His Majesty's Government. The Conference, after an exhaustive discussion of the phenomena presented by the various areas selected for investigation, and in the light of the personal knowledge of the representatives of the different Provinces and of the reports of the local committees, concluded that it appeared that certain parts of Assam and Calcutta might correctly be regarded as having excessive consumption and that Orissa and the Ferozepore District of the Punjab might be held to provide cases for further inquiry. In other cases the Conference considered that there was no evidence of prevalent excess. But they gave a series of examples to show that there were simple explanations showing harmless causes for what appeared to be excessive consumption in many places.

While speaking at the Second Geneva Opium Conference on 19th January 1925, Lord Cecil stated that he had seen figures, apparently taken from a report made by the United States Treasury, to the effect that consumption was greater in America than in India. The estimate framed by the Advisory Committee of the League of the annual requirements of opium for strictly medicinal and scientific purposes is 600 milligrammes or 9.25 grains per capital which is roughly equivalent to 6 Indian seers per 10,000. The Health Committee of the League opined that this could be reduced to 450 milligrammes, or 6.94 grains in countries possessing a well developed medical service. The consumption per capita in British India during 1924-25 worked out at 17.2 grains per head. The rate of consumption has certainly fallen since the compilation of this published figure. The amount includes veterinary uses and these are extensive, though to secure statistics of the quantity of opium given to animals is impossible. Allowance also has to be made for the poor morphine con-

tent of Indian opium, which is about 9 per cent at 90 deg consistence, and the limited number of medical practitioners trained on Western lines to administer strictly measured doses. Lord Cecil's statement at the League of Nations was received with extreme criticism by Mr Porter of the American delegation. Mr Porter said the American statistics cited had been disavowed and that Lord Cecil's observations were a "vile slander upon the people of the United States." Lord Cecil apologised and withdrew his statement. But Mr Frederick Wallis, Commissioner of Correction, New York, writing in the Current History Magazine for February, 1925, showed the annual per capita consumption in Italy to be one grain, in Germany 2 grains, in England 3 grains, in France 4 grains and in the United States 36 grains. In "Current History" for March, 1925, Mr Wallis defended this last figure and said that in view of the smuggling into the United States "it would appear to me that the consumption would be much larger than the Government officially gave as 36 grains." It appears now to be recognised by all sane opinion throughout the world that India has the cleanest sheet if any in regard to opium control and export. Even the former ill informed sentimental attacks upon the Government in these respects have almost stopped.

Opium policy has on several occasions during the past few years come under discussion in the Central Indian Legislature and in regard to it the Government of India and the non-official members of the Legislature have been in accord. Cultivation of the poppy in British India is confined, except for a few wild and inaccessible regions, to the area that supplies the Government of India Factory at Ghazipur in the United Provinces where it can only be cultivated under license. Importation into British from the Indian States is controlled by prohibition of imports except on Government account and by agreement with the States concerned that they will not allow exports to British India except by arrangement. Cultivation in British India is progressively and rapidly being reduced. The sown area in British India which produced the crop of 1931-32 was 37,012 acres, i.e., 26.3 per cent of the area in 1922-23, and 20 per cent of that in 1912-13. The process of reduction was stayed in 1931-1932 because it was found that the rate before 1931 had been too rapid so that stocks were brought to a dangerously low level. Progressive and rapid reduction was resumed in 1933. The consumption of opium in the different provinces in India in 1932 is shown in the following table—

	lbs
Madras	62,568
Bombay (including Sind)	51,090
Bengal	64,135
United Provinces	39,880
Punjab	62,210
Burma	41,330
Bihar & Orissa	37,724
Central Provinces and Berar	26,446
Assam	30,512
Administered Areas (a)	14,445
Total for British India	4,28,340
Aden	90

(a) North West Frontier Province, Baluchistan, Ajmer-Merwara and Delhi

The population of British India according to the 1931 Census is 271,526,992, and the consumption per head in British India, excluding Aden, inclusive of the opium used for veterinary purposes but excluding that consumed for medicinal purposes was 11.04 grs. per head of the population. The population of Aden in 1931 was 50,809 and the opium consumption per head was 12.3 grs.

Close supervision is maintained over the licensed vendors in all parts of British India, the conditions of their licences require that the

shops shall always be open to inspection, that no opium shall be sold to children or bad characters, that sales shall only be made on the licensed premises and during the prescribed hours, that only unadulterated Government opium shall be sold, that credit shall not be allowed, that no consumption shall be permitted on the premises, that full accounts shall be maintained and that the names and addresses of purchasers of more than one or two tolas shall be recorded. These conditions are effectively enforced by the excise departments of the various provinces.

GLASS AND GLASSWARE

The total value of the imports of glass and glassware amounted to Rs. 1,121 lakhs as compared with Rs. 1,221 lakhs in 1931-32. Almost all the important descriptions under this head recorded improvements. Of the principal countries participating in this trade Japan retained the foremost position and the value of her supplies advanced to Rs. 65 lakhs in 1932-33 from Rs. 42 lakhs in 1931-32 and Rs. 55 lakhs in 1930-31.

Manufacture of Glass in India—Glass was manufactured in India in centuries before Christ and Pliny makes mention of "Indian Glass" as being of superior quality. As a result of recent archaeological explorations, a number of small crude glass vessels have been discovered indicative of the very primitive stage of the industry. But no further traces of ancient Indian Glass Industry as such survive, yet, it is certain that by the sixteenth century it was an established industry producing mainly bangles and small bottles. The quality of the material was inferior and the articles turned out were rough. Beyond this stage the industry had not progressed until the nineties of the last century. Manufacture of glass in India on modern European lines dates from the nineties of the last century, when some pioneer efforts were made in this line. Since then a number of concerns have been started, a number of them have failed. They mainly devote themselves to the manufacture of bangles and lampware side by side with bottle making on a small scale. This, therefore, is the criterion which determines the two well-defined classes of the industry in its present stage, (i) indigenous Cottage Industry and (ii) the modern Factory Industry.

(i) The indigenous Cottage Industry which is represented in all parts of the country, but has its chief centres in Ferozabad District of U. P., and Belgaum District, in the South, is mainly concerned with the manufacture of cheap bangles made from "glass cakes or blocks" made in larger factories. The industry is at present in a flourishing state and supplies nearly one third of the Indian demand for bangles. The quality has been improved by the discovery of new glazing processes and for the present the turnover in this line has gone up to 20 lakhs of rupees a year. But these bangles have now to face a very hard competition from Japan whose "silky" bangles are ousting the old type Indian ones.

(ii) The modern Factory type of organization of this industry is just in its infancy at

present. The existing factories mostly stop at producing glass cakes for bangles as in Ferozabad or simple kind of lampwares and bottles. There is one factory in the United Provinces which since 1929 has been manufacturing sheet glass. Artistic glassware is out of the question and the private capitalists who have to run their concerns mostly with commercial ends do not think it worth their while to spend money and labour on it. War caused a great decrease in volume—though not so much in value which was much increased—of the imports of the lampware, etc., and in order to meet the Indian demand for them, new factories were started and old revived, which produced only cheap and simple kind of lampware and bottles on small scale. The total production of these Indian Glass Works has not been exactly estimated, but it is generally supposed that they were able to meet in these war years nearly half the Indian demand for this kind of glassware. There are a number of factories engaged in the production of lampware, of which two or three only produce bottle and carboys also. The chief centres for the former kind are Bombay, Jubbulpore, Allahabad, and Bijnor and Ambala, while bottles are only manufactured at Naini and Lahore, and recently at Calcutta.

During the later years of the war period, a number of Glass Works were opened in the Bombay Presidency and adjoining districts, local manufacture having been stimulated by the cessation of imports of German, Austrian and Belgian glass.

Causes of failure—Records of the earlier ventures have shown that the failures in some cases were due in part at least to preventable causes, prominent among which were (1) Lack of enlightened management (2) Lack of proper commercial basis, as in some cases the proprietors had a number of other more larger concerns to look to (3) Bad selection of site. An ideal site for a Glass Factory would be determined by the (a) nearness of quartz and fire-clay, (b) nearness of fuel, and (c) by the nearness of market. At least two must be present. In some concerns, two were absent. (4) Specialisation was lacking, some factories in their initial stages trying to manufacture three or four different kinds of glassware simultaneously like lampware, bottles, and bangles, etc. (5) Paucity of sufficient fluid capital for initial expenses for machinery or other improvements or even in some cases for running the concern in the beginning.

But beyond these there are certain real and special causes that contributed to the failure of some of these and hinder the progress of the rest. Chief among them are (1) The Industry is in its infant stage and hence such failures are but incidental. (2) No expert guidance in this line, there is a lack of men and good literature. (3) Paucity of skilled labour of higher type.

The present Indian workmen in this line and blowers are few in number and illiterate. They, therefore, master the situation and are unamenable to management. (4) Heavy cost of good fuel, the works usually being situated where good sand and quartz can be obtained, and consequently, in most cases, at a great distance from the coal-fields. (5) To a certain extent, competition from Japan and European countries.

The Indian Industrial Commission say in their Report (Appendix E), viz "The Glass Industry, even in its simplest form is highly technical and can be efficiently carried on only by scientifically trained managers and expert workmen. The present stage has been reached by importing men, only partially equipped with the necessary qualifications, from Europe and Japan, and by sending Indian students abroad to pick up what knowledge they can. The glass industry is a closed trade and its secrets are carefully guarded, so that the latter method has not proved conspicuously successful."

Bibliography—Indian Industries Commission Report (Appendix), Indian Munitions Board, Industrial Handbook, etc. "Notes on Glass Manufacture" By C S Fox (Bulletin No 29 of Indian Industries and Labour, 1922)

HIDES, SKINS AND LEATHER

India's local manufactures of skins and leather have steadily increased in recent years. Previous to the outbreak of war, the trade in raw hides in this country was good, there was a large demand for hides, and prices ruled high. On the declaration of war, the trade which had up till then been brisk was seriously dislocated. Exports to enemy countries especially to the great emporium of Indian hides, Hamburg, were stopped, and exporters had to find new markets for the raw material. The raw hide business of India had up to that time been largely, if not quite entirely, in the hands of German firms or firms of German origin and Germany had the largest share of India's raw hides. In the four months before the outbreak of war she took 39 per cent of the total exports. In 1912-13 she took 32 per cent and in 1913-14, 35 per cent. Germany still takes the major share of India's raw hides while America takes the bulk of goat skin exports. Shipments of tanned hides go mostly to Great Britain.

The total value of the export trade was Rs 743 lakhs in 1932-33 compared with Rs 892 lakhs a year earlier.

Conditions of the Trade—The trade in hides and skins and the craft in leather manufacture are in the hands either of Mahomedans or of low caste Hindus, and are on that account participated in by a comparatively small community. The traffic is subject to considerable fluctuations concomitant with the vicissitudes of the seasons. In famine years for instance the exports of untanned hides rise to an abnormal figure. The traffic is also peculiarly affected by the difficulty of obtaining capital and by the religious objection which assigns it to a position of degradation and neglect. It has thus become a monopoly within a restricted community and suffers from the loss of competition and popular interest and favour.

Uses of Indian Hides—The fifteenth report of the Imperial Economic Committee states that Indian hides both raw and partially tanned, are largely used for the upper leather of boots, partially tanned skins are used for fancy leather articles, bookbinding and for covering the small rollers used in cotton mills for drawing the thread. Raw sheepskins are used for similar

articles and also for gloves. They are exported mostly to Germany, France and Italy. Raw goatskins are used almost entirely in the manufacture of glace kid, of which commodity the United States is the chief producer.

The chief markets for Indian raw hides are in Central and Southern Europe, Hamburg being an important distributing centre. Directly after the war an effort was made to direct more of this trade to the United Kingdom, but it has drifted back to Germany. The assortment and grading of raw hides exported from Calcutta before the war, largely the result of the work of German firms established there had reached a high standard. After the war the trade became somewhat disorganised from a variety of causes, among which may be cited fiscal changes, the entry into the trade of new and at first inexperienced firms, the increased cost of arranging for supervision at up country points. It has, however, been recovering its reputation.

Protecting the Industry—The report of the Industrial Commission pointed out that the principal difficulty at present in the hides and leather industry was the lack of organisation and expert skill. Government action to foster the industry was first taken in September 1919, when a Bill was introduced in the Imperial Legislative Council further to amend the Indian Tariff Act, 1894. The effect of this Bill was officially described as follows: "It is to impose an export duty of 15 per cent on hides and skins with a rebate of 10 per cent on hides and skins exported to other parts of the Empire, and there tanned. Its object is to ensure that our hides and skins shall be converted into fully tanned leather or articles of leather so far as possible in India and failing this in other parts of the Empire, instead of being exported in a raw state for manufacture in foreign countries." Sir George Barnes who was in charge of the Bill and described the tanning industry as one of the most promising Indian industries explained that "the present position is that we have in India at the present time some hundreds of tanneries for the tanning of hides, a large number of which have come into existence in order to satisfy military requirements during the war. We have in fact the foundations of a flourishing tanning industry, but there is reason to fear that it may tend to dwindle and disappear

with the diminution of military requirements, if some other support is not given. We want to keep this industry alive, and we believe that in this case protection in the shape of a 15 per cent export duty is justifiable and ought to be effective. It is clearly just also that the same measure of protection should be extended to the tanners of skins whose business, as I have already stated, was injured by the necessities of the war. Though Indian tanneries have enormously increased in number during the past three years, they can only deal with a comparatively small proportion of the raw hides and skins which India produces, and it is to the advantage of India and the security of the Empire generally that this large surplus should, so far as possible, be tanned within the Empire, and with this end in view the Bill

proposes a 10 per cent rebate in respect of hides and skins exported to any place within the Empire. I should add that it is proposed to limit by notification the benefit of this rebate to hides and skins actually tanned within the Empire and Indian hides and skins re-exported from an Empire port for the purpose of being tanned abroad will not be entitled to any rebate."

Indigenous methods—India possesses a large selection of excellent tanning materials such as *Acacia* pods and bark, Indian sumach, the Tanner's cassia, Mangroves, and Myrabolams. By these and such like materials and by various methods and contrivances, hides and skins are extensively cured and tanned and the leather worked up in response to an immense, though purely local, demand.

INDIAN INVENTIONS AND DESIGNS.

A handbook to the Patent Office in India which is published by the Government Press, Calcutta, gives the various Acts, rules, and instructions bearing on the subject together with hints for the preparation of specifications and drawings, hints for searchers and other valuable information that has not hitherto been readily accessible to the general public in so convenient a form. In the preface the Controller of Patents and Designs explains the scope of the Patent laws in India and indicates wherein they differ from English law and procedure.

The foundation of patent legislation throughout the world lies in the English "Statute of Monopolies" which was enacted in 1623, the 21st year of King James the First. In part this Act has been repealed, but the extant portion of the more important section 6 is as follows— "Provided also that any declaration before mentioned shall not extend to any letters patent and grants of privilege for the term of fourteen years or under, hereafter to be made of the sole working or making of any manner of new manufactures within this realm to the true and first inventor and inventors of such manufactures, which others at the time of making of such letters patent and grants shall not use, so as also they be not contrary to the law nor mischievous to the State by raising prices of commodities at home, or hurt of trade, or generally inconvenient, the said fourteen years to be accomplished from the date of the first letters patent or grants of such privilege hereafter to be made, but that the same shall be of such force as they should be if this Act had never been made, and of none other."

The existing Indian Patent Law is contained in the Indian Patents and Designs Act, 1911 as amended in 1930 and the Rules of 1933. The Patent Office does not deal with trade marks or with copyright generally in books, pictures, music and other matters which fall under the Indian Copyright Act III of 1914. There is, in fact, no provision of law in British India for the registration of Trade Marks which are protected under the Merchandise Marks Act, (IV of 1889) which forms Chapter XVIII of the Indian Penal Code.

On the whole, Indian law and procedure closely follow that in the United Kingdom for the protection of inventions and the registration of designs, as they always have done in matters of major interest. One main difference exists, however, as owing to the absence of provision of law for the registration of Trade Marks, India cannot become a party to the International Convention under which certain rights of priority are obtainable in other countries.

The first Indian Act for granting exclusive privileges to inventors was passed in 1856, after an agitation that had been carried on fitfully for some twenty years. Difficulties arising from an uncertainty as to the effect of the Royal Prerogative prevented earlier action, and, owing to some informalities the Act itself was repealed in the following year. In 1859 it was re-enacted with modifications, and in 1872 the Patterns and Designs Protection Act was passed. The protection of Inventions Act of 1883, dealing with exhibitions, followed, and then the Inventions and Designs Act of 1888. All these are now replaced by the present Act of 1911.

The existing Acts extend to the whole of British India, including British Baluchistan and the Santhal Parganas. This of course includes Burma, but it does not embrace the Native States. Of the latter Hyderabad (Deccan), Mysore, Gwalior, Baroda, Travancore, Marwar, Cochin, Kashmir and Jamu have ordinances of their own for which particulars must be obtained from the Government of the States in question as they are not administered by the Indian Patent Office in Calcutta. A patent granted in British India does not extend to the United Kingdom or to any other British Possession, but under the reciprocal arrangement an applicant for an Indian patent has 12 months priority in the United Kingdom, Australia, Canada, New Zealand, the Irish Free State, the Union of South Africa and Ceylon and *vice versa*. The object of the Act of 1911 was to provide a simpler more direct, and more effective procedure in regard both to the grant of patent rights and to their subsequent existence and operation. The changes made in the law need not here be referred to in detail. They

gave further protection both to the inventor by providing that his application should be kept secret until acceptance, and to the public, by increasing the facilities for opposition at an effective period. At the same time a Controller of Patents and Designs was established, with power to dispose of many matters previously referred to the Governor-General in Council and provision was made for the grant of a sealed "patent" instead of for the mere recognition of an "exclusive privilege". The provisions of the Act follow with the necessary modifications those of the British Inventions and Designs Act of 1907.

New Legislation—Part I (Patents) of the Act of 1911 has been further amended by Act VII of 1930 and includes the following—

If an Application comprises more than one invention the additional inventions may be made the subject matter of additional applications bearing the same date as the original application.

The term of the Patent will be 16 years instead of 14 years.

Patent of Addition will be granted on the original patent without the payment of additional renewal fees but the additional patent will expire with the date of the original patent.

Fresh provisions are made for the use of an invention by Government.

Government will grant licences to the public on application if the Patentee refuses to do so on reasonable terms.

Several other facilities are given under the Indian Amended Act of 1930 on the lines of the present British Patent Act.

The period of opposition to the grant of a patent has been extended to 4 months from the date of the notification of the "Acceptance" of the application, instead of 3 months. The provisions contained in the Indian Patents and Designs Rules, as regarded divisional applications in respect of inventions covered by the original application and divided therefrom, have been amplified and embodied in the Act itself. Section 10 has been amended to empower the Controller to decide disputes about proceeding with the applications for patents, that may occur between the applicants and third parties, or between joint applicants among themselves.

The time for appeal to the Governor General in Council has been extended to 3 months, instead of 2 months from the date of the decision appealed against. A new Section 21A has been provided relating to secret patents. A new Section 35A has been provided for giving relief in suits for infringement of patents in respect of valid claim, despite the existence of invalid claims in the specification.

The definition has been altered as to the person entered on the Register as the grantee or proprietor of the patent. Section 78A (4) has been amended to enable British India to enter into reciprocal arrangement with the Indian States.

The definition of the term "Design" has been altered and the time for applying to secure for the registration in India, the priority date of the application in the United Kingdom or other parts of the British Empire, has been extended to 6 months.

Printed Specification of applications for patents, which have been accepted (One Rupee per copy), may be seen free of charge, together with other publications of the Patent Office at the following places—

AHMEDABAD	R. C. Technical Institute
ALLAHABAD	Public Library
BANGALORE	Indian Institute of Science
BARODA	Department of Commerce and Industry
BOMBAY	Record Office
"	Victoria Jubilee Technical Institute, Matunga
"	The Bombay Textile and Engineering Association, No 1A, Sussex Road, Parel
CALCUTTA	Patent Office, No 1, Council House Street
"	Bengal Engineering College, Sdipur
CANPORE	Office of the Director of Industries, United Provinces
CHINSURAH	Office of the Commissioner, Burdwan Division
CHITTAGONG	Office of the Commissioner, Chittagong Division
DACCA	Office of the District Board, Dacca.
DELHI	Office of the Deputy Commissioner
HIDERABAD	Industries and Commerce Department of His Highness the Nizam's Government
KARACHI	Office of the City Deputy Collector
LAHORE	Punjab Public Library
LONDON	The Patent Office, 25, Southampton Buildings, W. C.
MADRAS	Record Office, Egmore
"	College of Engineering
MYSORE	Office of the Secretary to Government, General and Revenue Department
NAGPUR	Victoria Technical Institute
POONA	College of Engineering
RANCHI	Office of the Director of Industries, Bihar & Orissa
RANGOON	Office of the Revenue Secretary, Government of Burma
ROORKEE	Thomason College
SHOLAPUR	Office of the Collector

ABSORPTION OF GOLD (both coin and bullion) IN INDIA (In lakhs of Rupees)

	AVERAGE OF 5 YEARS ENDING							1920-30	1930-31	1931-32	1932-33
	1903-04	1908-09	1913-14	1918-19	1923-24	1928-29	1928-29				
1 Production (b)	2,01	2,95	3,36	3,39	2,72	2,25	2,13	2,07	1,87	2,03	2,54
2 Imports	5,48	13,00	32,79	(a) 9,83	(a) 30,06	33,08	21,22	14,23	13,24	2,80	1,32
3 Exports	3,23	6,82	4,64	(a) 3,01	(a) 8,23	18	2	1	49	60,78	66,84
4 Net imports (i.e., 2-3)											
5 Net addition to stock (i.e., 1+4)	2,25	6,18	28,15	(a) 6,87	(a) 22,38	33,50	21,20	14,22	12,75	-37,98*	-65,52*
6 Balance held in mint and Government Treasury and Currency and Gold Standard Reserve	4,26	9,13	31,51	10,26	25,10	35,75	23,33	16,29	14,62	-55,00	62,98
7 Increase (+) or decrease (-) in stock held in mints, etc., as compared with the preceding year	66	12,88	19,11	10,93	27,92	25,79	32,22	32,27	34,18	41,17	41,53
8 Net absorption (i.e., 5-7)	+61	+2,67	+4,47	-1,02	+99	+4,95	+2,16	+3	+1,91	+7,29	+
9 Progressive total of additions to stock	3,65	6,40	27,04	11,23	24,11	30,80	20,87	16,24	12,71	-63,19	-63,04
10 Net progressive absorption	61,86	1,01,19	2,77,15	3,72,61	4,66,83	6,51,53	6,98,41	7,14,70	7,29,32	6,73,12	6,10,44
	61,19	88,31	2,59,01	3,55,93	4,38,92	6,25,75	6,66,20	6,82,44	6,97,15	6,91,96	7,48,92

Note—The quinquennial average figures are inserted only for comparative purposes. The progressive total of additions to stock (Item 9) and net progressive absorption (Item 10) are calculated on the annual figures and are not based on these averages. Item 9 is the sum of the yearly figures in Item 5 and Item 10 the sum of the yearly figures in Item 8.

(a) Excludes gold imported and exported on behalf of the Bank of England

(b) Figures are for calendar year ending 31st December

* Net exports

According to the report by Mr N Mukarji Actuary to the Government of India, contained in the Indian Insurance Year Book, 1932, the number of companies subject to the provisions of the Indian Life Assurance Companies Act of 1912 and the Indian Insurance Companies Act of 1928 is 282 of which 136 companies are constituted in India and 146 companies are constituted outside India. Of the 136 Indian companies, 60 are established in the Bombay Presidency, 25 in Bengal, 21 in the Madras Presidency, 14 in the Punjab, 8 in Delhi, 2 each in the Central Provinces, Ajmer and Burma and 1 each in Burma and the U P. Of the 146 non-Indian companies 71 are constituted in the United Kingdom, 31 in the British Dominions and Colonies, 18 in the Continent of Europe, 12 in the United States of America, 9 in Japan and 5 in Java.

Most of the Indian companies carry on life assurance business only. They are 103 in number and of the remaining 33 Indian companies, 20 carry on life business along with other insurance business and 13 carry on insurance business other than life.

Besides the Indian life offices, there are some pension funds, mostly connected with Government offices, which are exempt from the operation of the Act and the Indian Post Office Insurance Fund is also exempt. As regards non-Indian companies, most of them carry on insurance business other than life. Out of the total number of 146 non-Indian companies, 122 carry on insurance business other than life, 10 carry on life business only and 14 carry on life business along with other insurance business. Of the latter 24 companies, 16 are constituted in the United Kingdom, 6 in the British Dominions and Colonies and 1 each in Germany and Switzerland.

The total new life assurance business effected in India during 1931 amounted to 125,099 policies assuring a sum of nearly 267 crores and yielding a premium income of 13 crores, of which the new business done by Indian companies amounted to 97,099 policies assuring a sum of 17 crores and having a premium income of 7 crores. The share of the British companies in respect of new sums assured is 3½ crores of the Dominion and Colonial companies about 6 crores and of the single German company ½ crore.

The average sum assured under the new policies issued by Indian companies is Rs. 1,764 and under those issued by non-Indian companies Rs. 3,499.

The total life assurance business effected in India and remaining in force at the end of 1931 amounted to 714,600 policies assuring a total

sum of 168 crores including reversionary bonus additions and having a premium income of very nearly 81 crores. Of this the share of Indian companies is represented by 502,000 policies assuring a sum of 91 crores and having a premium income of 11 crores.

Most of the Indian companies now transact life assurance business on the scientific principle but there are still some which carry on business on the **dividing plan** under which the sum assured is not fixed but depends on the division of a portion of each year's premium income amongst the claims arising in that year. The Government of India Actuary says in his latest annual report that the main defect of dividing insurance business is that policy holders in each class are charged the same rate of premium of subscription irrespective of their age on admission ranging even in some cases from 18 to 60 years. "Business of this nature is not only unsound but is apt to lend itself to the practice of fraud on the part of policy-holders and agents and later on by the company. It has been declared to be the cause of insurance enterprise in India." Before the Act of 1912 was passed there were numerous companies which transacted life assurance business on the dividing plan and most of them came to grief. Of such companies which were in existence at the time of the passing of the Act the majority have disappeared and some have stopped issuing policies on the dividing plan. A few new companies have taken up this dividing insurance business and it will not be long before they realise their mistake.

Some Indian life offices have extended their operations outside India, mostly in British East Africa and in the Near East. The total new sums assured by these offices outside India in 1931 amounted to 66 lakhs yielding a premium income of 4 lakhs and the total sum assured including reversionary bonus additions in force at the end of 1931 amounted to 4 crores, having a premium income of 2½ lakhs.

The total new annuity business effected during 1931 was for the amount of about 2 lakhs per annum, which was equally shared by Indian and non-Indian companies. The total annuity business remaining in force at the end of the year was for the amount of 3½ lakhs per annum of which the amount payable by Indian companies was a little over 1½ lakhs per annum.

The life assurance business of Indian companies which steadily increased during 11 years up to 1929 received a setback in 1930 owing to the general financial depression. The following table shows the new business effected since 1921 in each year and the total business remaining in force at the end of the year.

Year	No. business written during the year	Total business remaining in force at the end of the year
1921	5,47 lakhs	31 lakhs
1922	5,64 "	37 "
1923	5,85 "	40 "
1924	6,89 "	45 "
1925	8,15 "	50 "
1926	10,35 "	55 "
1927	12,77 "	60 "
1928	15,41 "	65 "
1929	17,29 "	70 "
1930	16,50 "	75 "
1931	17,76 "	80 "

A large portion of the new business transacted by the younger and less firmly established companies lapsed within a short time and the growth of total business in their case is not commensurate with the volume of new business transacted in each year. The total business which lapsed during 1931 was 7½ crores and was over 10 per cent of the total new business.

The net income of the Indian companies under their life insurance business from premiums and interest amounted to 5½ crores in 1931 and was in excess of 2 crores over the corresponding income of the previous year. Claims amounted to 1½ crores and exceeded the previous year figure by 12 lakhs. Claims by death showed an increase of 5 lakhs and

claims by curcivancy an increase of 7 lakhs, respectively.

The life insurance funds increased by nearly 2 crores during 1931 and amounted to 22½ crores at the end of that year. The average rate of interest earned on the life funds during the year was a little less than 5½ per cent.

The Post Office Insurance Fund was instituted by the Government of India in 1882 for the benefit of the postal employees, but gradually addition to it has been thrown open to almost all classes of Government servants who are employed on civil duties. The following are some of the important particulars relating to the business of the Fund during the four years 1929 to 1932—

Year ending 31st March	New business effected during the year		Total business remaining in force at the end of the year		Total income	Life Assurance fund at the end of the year
	Number of policies	Total sums assured	Number of policies	Total sums assured and bonuses		
1929	7,582	1,43,41,000	61,471	13,02,47,000	63,17,000	3,61,11,000
1930	8,891	1,49,56,000	71,470	14,17,81,000	69,36,000	1,02,80,000
1931	9,710	1,50,38,000	79,058	15,37,85,000	76,05,000	4,16,16,000
1932	6,481	98,15,000	83,165	15,88,89,000	81,09,000	4,91,47,000

Fire, Marine and Miscellaneous Insurance Business.—The net Indian premium income of all companies under insurance business other than life insurance during 1931 was 2½ crores of which the Indian companies share was 2½ crores and that of the non Indian companies 1½ crores. The total amount is composed of—

1,28 lakhs from fire

43 lakhs from marine, and

77 lakhs from miscellaneous insurance business

The Indian companies received—

28 lakhs from fire,

7 lakhs from marine and

21 lakhs from miscellaneous insurance business.

The total assets of Indian companies amount to 29 crores of which stock exchange securities form the bulk. These securities are shown in the account at a net value of 20½ crores. Mortgage loans on policies and on stocks and shares are shown at 4 crores. Land and house property are valued at 1½ crores, deposits, cash and stamps, are shown at 2½ crores, accrued interest at 1½ crores, agents' balances and other outstanding items at 1½ crores, and loans on personal security and other miscellaneous assets at 1½ crores. Investments of Indian companies outside India consist mainly of stock exchange securities and amount to 2½ crores.

Customs Tariff.

General import duties are levied for fiscal purposes and not for the protection of Indian industries. Any duties imposed for protective purposes are on the recommendations of the Tariff Board, as accepted or amended by Government. Under the terms of the Ottawa Agreement a large range of British and Colonial goods received a preferential rate of duty from January 1, 1933. But this tariff has been modified with a view to admitting free or at favourable rates articles, the cheap import of which was considered necessary in the interests of the country. Thus certain raw materials, minerals, agricultural implements and dairy appliances are admitted free. Machinery, printing materials, etc., are assessed at 10 per cent and iron and steel railway material and ships at 15 per cent.

Re Imports—Articles of foreign production on which import duty has been once paid, if subsequently exported, are on re import exempted from duty on the following conditions—

The Collector of Customs must be satisfied—

- (1) of the identity of the articles,
- (2) that no drawback of duty was paid on their export,
- (3) that the ownership has not changed between the time of re export and subsequent re import,
- (4) that they are private personal property re-imported for personal use, not mere merchandise for sale,
- (5) that not more than three years have passed since they were re exported.

Duty is, however, charged on the cost of alterations, additions, renovations and repairs, involving the substitution of new parts, done to the articles while abroad, which should be declared by the person re importing the articles in a form which will be supplied to him at the time of re importation.

To facilitate identification on re importation an export certificate giving the necessary particulars should be obtained from the Customs Department at the time of shipment of the articles which should be tendered for examination.

This concession of free entry on re importation is not extended for the benefit of Companies or Corporate Bodies.

Drawbacks—When any goods, capable of being easily identified which have been imported by sea into any Customs port from any foreign port, and upon which duties of Customs have been paid on importation, are re exported by sea from such Customs port to any foreign port, or as provisions or stores for use on board a ship proceeding to a foreign port, seven-eighths of such duties shall, except as otherwise hereinafter provided, be repaid as drawback.

Provided that, in every such case, the goods be identified to the satisfaction of the Customs Collector at such Customs port and that the re export be made within two years from the date of importation, as shown by the records of the Custom House, or within such extended

term as the Chief Customs Authority, or Chief Customs Officer on sufficient cause being shown in any case determines, provided further that the Chief Customs Officer shall not extend the term to a period exceeding 3 years.

When any goods, having been charged with Import duty at one Customs port and thence exported to another, are re exported by sea as aforesaid, drawback shall be allowed on such goods as if they had been so re exported from the former port.

Provided that, in every such case, the goods be identified to the satisfaction of the Officer in Charge of the Custom House at the port of final exportation, and that such final exportation be made within three years from the date on which they were first imported into British India.

No drawback shall be allowed unless the claim to receive such drawback be made and established at the time of re export.

No such payment of drawback shall be made until the vessel carrying the goods has put out to sea, or unless payment be demanded within six months from the date of entry for shipment.

Every person, or his duly authorised agent, claiming drawback on any goods duly exported, shall make and subscribe a declaration that such goods have been actually exported, and have not been re landed and are not intended to be re landed at any Customs port, and that such person was at the time of entry outwards and shipment, and continues to be, entitled to drawback thereon.

Merchandise Marks—Importers into India especially from countries other than the United Kingdom, would do well to make themselves acquainted with the law and regulations relating to merchandise marks. In Appendix II will be found the principal provisions of the Indian Merchandise Marks Act, 1880, and connected Acts and the notifications issued thereunder. The following summary of the regulations in force does not claim to be exhaustive. For those seeking more complete information a reference is suggested to the Merchandise Marks Manual which is published under the authority of the Government of India and obtainable of all agents for the sale of Indian Government publications.

Infringements or offences may be classified conveniently under four heads—

- 1 Counterfeit trade marks,
- 2 Trade descriptions that are false in respect of the country of origin,
- 3 Trade descriptions that are false in other respects, and
- 4 Lengths not properly stamped on piece-goods.

NOTE 1.—In the expression "*ad valorem*" used in these Schedules the reference is to "real value" as defined in Section 30 of the Sea Customs Act, 1878 (VIII of 1878), unless an article has a tariff value assigned to it.

NOTE 2.—Tariff-valued heads are based on the ordinary trade description of each article and cover all reduced grades and mixtures unless they are separately provided for.

NOTE 3.—In this publication, the expression "standard rate of duty" means, in the case of articles included in Parts VIII and IX of the Statutory Tariff, the standard rate of duty as opposed to the preferential rate, and, in the case of other articles, the ordinary rate of duty including surcharges, if any.

(The following details of the Indian Customs Tariff are published by courtesy of the Government of India.)

Schedule II—(Import Tariff)

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
1	27	I—Food, Drink and Tobacco					
		FISH					
		FISH, SALTED, wet		Rs 1 p	Such rate or rates of duty not exceeding one rupee as the Governor (General in Council may, by notification in the Gazette of India, from time to time prescribe,* plus 6½ per cent <i>ad valorem</i>		
		<i>Tariff values—</i> (i) <i>Sockeye</i> (ii) All other sorts	Indian pound	0 11 0 , 0 0			Rs 1 8
1A	214	FISH, SALTED, dry	cwt		Rs 3 5		20 per cent
1B	101	FISH, UNSALTED, dry					
		<i>Tariff value—</i> Bombas	cwt	7 12 0	20 per cent		

* The rate on the 1st January, 1931, and until further notice is annas 9.

Schedule II—(Import Tariff)—continued

No. in the statutory schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
					The United Kingdom	A British Colony
65	1—Food, Drink and Tobacco— <i>cont'd</i> Rice, not otherwise specified			25 per cent		
66	Shiraz, including singly and in bottles, and shiraz			25 per cent		
	<i>Tariff values—</i>					
	Shiraz, loose or in bundles from Arabia and Persian Gulf ports	cwt	1 0 0			
	Shiraz, loose or in bundles from China and the Straits	lb	2 0 0			
	FRUITS AND VEGETABLES					
27A	CURRENTS			Re 1 1		
162	FRUITS AND VEGETABLES, all sorts, fresh dried, salted or preserved, not otherwise specified, including vanilla beans *	cwt		30 per cent		20 per cent
	<i>Tariff values—</i>					
	Almonds without shell	cwt	50 1 0			
	Almonds hazel Persian in the shell	"	48 9 0			
	Almonds in the shell Persian	"	9 13 0			
	Cashew or caloo kernels, not skinned	"	24 6 0			
	Coconuts, Straits, Dutch East Indies and Siam—					
	Husked	thousand	55 0 0			
	Unhusked	"	73 0 0			
	Coconuts, Maldives	"	21 0 0			
	Coconuts, other	"	32 0 0			

* Under Government of India, Finance Department (Central Revenues) Notification No. 11, dated the 9th April 1932, as amended by Notification No. 53 dated the 20th August 1932, raw cashew nuts are exempt from payment of import duty.

Schedule II—(Import Tariff)—continued.

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
4cd	162	1 Food, Drink and Tobacco—contd		Rs a p			
		FRUITS AND VEGETABLES—contd <i>Tariff values—contd</i> Dates, dry, in bags— Basra (Iraq) dates All other sorts Dates, wet, in bags, baskets and bundles Dates, wet, packed in other receptacles Figs, dried, Persian Figs, dried, European Garlic Pistachio nuts Potatoes Rusins, red, Persian Gulf	cwt " " " " " " " " "	8 0 0 4 12 0 3 8 0 8 0 0 6 4 0 11 8 0 7 8 0 10 0 0 5 4 0 6 8 0			
5	68	GRAIN, PULSE AND FLOUR Flour except sago flour			Wheat flour—Rs 28 per cwt, all others—25 per cent <i>ad valorem</i>		
6	1A	<i>Tariff value—</i> Cassava or Tapioca flour GRAIN AND PULSE, all sorts, including broken grains and pulse, but excluding flour (see serial No. 5 and 7) *	cwt	5 8 0	Wheat—Rs 2 per cwt, all others --free		
7	1B	SAGO FLOUR			Free		

* Under Government of India, Finance Department (Central Revenues) Notification No 11 dated the 9th April 1932, wheat imported by or on behalf of any person who is engaged in milling flour for export is exempt from payment of import duty, provided that such person, before clearance of the wheat for consumption or from bond, as the case may be, has produced documentary evidence to the satisfaction of the Customs Collector that he has entered into a contract to sell an equal quantity of wheat flour to be shipped to a destination outside India before a date specified in the contract

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
8	215	J.—Food, Drink and Tobacco—contd ALE AND BEER LIQUORS	In barrels or other containers containing 27 oz or more per Imperial gallon		Re 1-2	Fourteen annas	
			In bottles containing less than 27 oz but not less than 20 oz, per bottle		Three annas	Two annas and four pies	
			In bottles containing less than 13½ oz but not less than 10 oz, per bottle		One anna and six pies	One anna and two pies	
			In bottles containing less than 6½ oz but not less than 5 oz per bottle		Nine pies	Seven pies	

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
8	215	I—Food, Drink and Tobacco—contd LIQUORS—contd ALE AND BEER—contd	In other containers per Imperial gallon		Re 1 s	Re 1 2 s	
9	28	PORTER, cider and other fermented liquors except ale and beer	In barrels or other containers containing 27 oz or more per Imperial gallon In bottles containing less than 27 oz but not less than 20 oz, per bottle In bottles containing less than 134 oz but not less than 10 oz, per bottle In bottles containing less than 62 oz but not less than 5 oz, per bottle		Fifteen pence Two annas and six pence One anna and three pence Seven and half pence		

1110—continued.

Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the product or manufacture of—	
		The United Kingdom	A British Colony
Rs 2 p	Rs 1 1		
Ad valorem	0½ per cent		
1 0 0			
	Rs 37-9		
	Rs 50		
	Rs 37 8		

Schedule II—(Import Tariff)—continued.

Serial No	No in the Statutory Schedule	Names of Articles	Per	Unit Value	Standard rate of duty	Pr. for extent of duty if the article is the product of a manufacturing country
11— contd	30	I—Food, Drink and Tobacco—contd LIQUORS—contd Spirits (other than denatured spirit)— <i>contd</i> Provided that— (a) the duty on any article included in this item shall in no case be less than the duty which would be charged if the article were included in Part V of the Statutory Schedule (i.e., 20 per cent <i>ad valorem</i>), (b) where the unit of assessment is the imperial gallon of the strength of London proof the duty shall be increased or reduced in proportion to the strength is greater or less than London proof				
	210	SPIRITS— (1) BARRIS— (i) entered in such a manner as to indicate that the strength is not to be tested (ii) not so entered (2) Drugs and medicines— Spirit— (i) entered in such a manner as to indicate that the strength is not to be tested (ii) not so entered	Imperial gallon of the strength of London proof		4s. 6d.	100%
12						

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
14H	170	I—Food, Drink and Tobacco—contd PROVISIONS AND OILMAN'S STORES —contd CANNED OR BOTTLED PROVISIONS, not other wise specified <i>N B</i> —For tariff values under this item see those marked with an asterisk (*) under Serial No 14 I below		Rs and p	30 per cent	20 per cent	
14I	69	PROVISIONS AND OILMAN'S STORES AND GROCERIES, all sorts not otherwise specified, including also the following articles if canned or bottled, namely, bacon, ham, biscuits, cakes, butter, vegetable product, cheese, farinaceous and patent foods, ghee, singlars, jams and jellies, lard, pickles, chutneys, sauces and condiments <i>Tariff values—</i> Butter *China preserves in syrup *China preserves, dry, candied Cocum Ghee Vegetable product (excluding hardened coconut oil)	lb box of six large or twelve small jars lb cwt lb	Ad valorem Ad valorem 0 14 0 4 14 0 0 8 6 6 10 0 45 0 0 0 4 9	25 "		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty, if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
141 continued	69	I—Food, Drink and Tobacco—<i>contd</i> PROVISIONS AND OILMAN'S STORES <i>—concl'd</i> Vermicelli, flour, from China and the Far East Vermicelli, peas, from China and the Far East Vermicelli, rice, from China and the Far East *Yeast, from China and the Far East <i>N B</i> —The tariff values given in this item apply also to imports assessed to duty as canned or bottled provisions under Serial No 142 above	cwt " " "	17 0 0 21 0 0 17 0 0 17 0 0			
15	48	VINEGAR, in casks		<i>Ad valorem</i>	24 per cent		
16	217	SPICES THE FOLLOWING UNGROUND SLICES, namely— Cardamoms, Cassia, Cinnamon, Cloves, Nutmegs and pepper <i>Tariff values—</i> Cardamom seed Cassia lignea Cloves Cloves, exhausted Cloves stems and heads Cloves in seeds, containing	cwt " " " "	52 0 0 4 12 0 40 0 0 11 0 0 8 0 0 20 0 0			55 per cent

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
16— con- td	217	I—Food, Drink and Tobacco—contd SPICES—contd THE FOLLOWING UNGROUND SPICES, namely—contd Nutmegs Nutmegs in shell Pepper, black Pepper, long Pepper, white	lb cwt " "	Rs 1 p 0 1 6 0 3 0 30 0 0 22 5 0 10 12 0	30 per cent		22½ per cent
16A	218	THE FOLLOWING UNGROUND SPICES, namely— Chillies, Ginger and Mace Tariff values— Ginger, dry, unground Mace, unground	cwt lb	Ad valorem 15 0 0 0 11 0	37½ per cent		
16B	124A	THE FOLLOWING SPICES, when not unground, namely— Cardamoms, Cassia, Cinnamon, Cloves, Nutmegs and Pepper SUGAR	cwt	Ad valorem	10 per cent		
17	213	CONFECTIONERY					
18	157	SUGAR AND SUGAR CANDY excluding confec- tionery TEA	cwt	Ad valorem	50 per cent Rs 9 1		
19	219	TEA	lb		five annas		Three annas

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
141	69	I—Food, Drink and Tobacco—contd PROVISIONS AND OILMAN'S STORES <i>—concl'd</i> Vermicelli, flour, from China and the Far East Vermicelli peas, from China and the Far East Vermicelli, rice, from China and the Far East *Yeast, from China and the Far East NB—The tariff values given in this item apply also to imports assessed to duty as canned or bottled provisions under Serial No 142 above	cwt " " "	17 0 0 21 0 0 17 0 0 17 0 0			
15	48	VINEGAR, in casks		Ad valorem	24 per cent		
16	217	SPICES THE FOLLOWING UNDERGROUND SPICES, namely— Cardamoms, Cassia, Cinnamon, Cloves, Nutmegs and pepper <i>Tariff values—</i> Cardamom seed Cassia lignea Cloves Cloves, exhausted Cloves stems and heads Cloves in seeds, unlaying	cwt " " " "	52 0 0 9 12 0 40 0 0 11 0 0 6 0 0 20 0 0			5 per cent

Schedule II—(Import Tariff)—continued.

No. in the statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
					The United Kingdom	A British Colony
I—Food, Drink and Tobacco—contd						
SPICES—contd						
217	the following unground spices, namely— Nutmegs Nutmegs in shell Pepper, black Pepper, long Pepper, white	lb " cwt " "	Rs and p 0 1 6 0 3 0 30 0 0 22 8 0 10 12 0			
218	the following unground spices, namely— Chillies, ginger and Mace Tariff values— Ginger, dry, unground Mace, unground	cwt lb	Ad valorem 15 0 0 0 11 0	30 per cent		22½ per cent
219	the following spices, when not unground, namely— Cardamoms, Cassia, Cinnamon, Cloves, Nutmegs and Pepper SUGAR		Ad valorem	17½ per cent		
219	CONFECTIONERY					
219	SUGAR AND SUGAR CANDY excluding confectionery	cwt	Ad valorem	50 per cent Rs 9 1	10 per cent	
219	IBA	lb				Three annas

Schedule II — (Import Tariff) — continued.

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
20	220	I — Food, Drink and Tobacco—contd OTHER FOOD AND DRINK COFFEE NOT OTHERWISE SPECIFIED		Rs 2 p <i>Ad valorem</i>	25 per cent <i>plus</i> one anna per pound		25 per cent
21	1	HOPS			Free		
22	34	MOLASSES		<i>Ad valorem</i>	31½ per cent		
		<i>Tariff values—</i> Molasses— (i) imported in bulk by tank steamer (ii) otherwise imported	cwt "	1 2 0 1 10 0			
23	34A	SACCHARINE (except in tablets) and such other substances as the Governor General in Council may, by notification in the Gazette of India, declare to be of a like nature or use to Saccharine	lb		Rs 6 4-0		
23A	34B	SACCHARINE TABLETS		<i>Ad valorem</i>	18½ per cent or Rs 6 4 per pound of saccharine contents, whichever is higher		

Schedule II.—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Payable values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
24	35	1.—Food, Drink and Tobacco—contd 2.—OTHER FOOD AND DRINK—contd SALT, excluding Salt exempted under serial No 25	Indian mound of 82½ lbs avoidsupois weight	Rs a p	The rate at which excise duty is for the time being leviable on salt manufac- tured in the place where the import takes place,* plus 2½ annas per mound if manu- factured outside India Free		
25	2	SALT IMPORTED INTO BRITISH INDIA AND ISSUED, in accordance with rules made with the previous sanction of the Governor-General in Council, for use in any process of manufacture, also salt imported into the port of Calcutta and issued with the sanction of the Government of Bengal to manufacturers of glazed stoneware, also salt imported into any port in the provinces of Bengal and Bihar and Orissa and issued, in accordance with rules made with the previous sanction of the Governor-General in Council, for use in curing fish in those provinces (For the general duty on salt, see Serial No 24)					
26	73	ALL OTHER SORTS OF FOOD AND DRINK NOT OTHERWISE SPECIFIED		Ad valorem	25 per cent		

* The rate of excise duty on the 1st January 1934, and until further notice is Re. 1-9 0

Schedule II—(Import Tariff)—continued

No in the statutory schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
					The United Kingdom.	A British Colony
31A	2A		Rs a p	Free		
	10B			Free		
32	171		Ad valorem	30 per cent		20 per cent
33		cwt	5 8 0			
		"	21 0 0			
		"	22 0 0			
		"	51 4 0			
		"	23 2 0			
		"	8 8 0			
			Ad valorem	25 per cent		
71		cwt	28 0 0			
		"	19 4 0			
		"	10 12 0			
		"	10 5 0			
		"	19 12 0			
				Free		
34						

II—Raw materials and produce and articles mainly unmanufactured—contd

• DYES AND COLOURS

BARKS for tanning

GUMS, RESINS AND LAC

STICK OR SPED LAC

GUMS, ARABIC, BENJAMIN (raw and cowrie) and Dammar (including unrefined batu) and rosin

Tariff values—

Dammer batu, unrefined
Gum Arabic, other than ground
Gum Benjamin, raw
Gum Benjamin, cowrie
Gum Dammar (or Copal)
Rosin

GUMS, RESINS AND LAC, all sorts not other wise specified

Tariff values—

Gum Ammoniac
Gum Balsam (coarse myrrh)
Gum olibanum or frankincense
Gum Persia (false)
Myrrh

HIDES AND SKINS, RAW

HIDES AND SKINS, raw or salted

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff value	Standard rate of duty	Preferential rate or duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
35	58	II—Raw materials and produce and articles mainly unmanufactured—<i>contd</i> METALLIC ORES AND SCRAP IRON OR STEEL FOR RE-MANUFACTURE IRON or STEEL, old <i>Tariff value—</i> Iron or Steel, old		<i>Ad valorem</i>	15½ per cent		
36	4	METALLIC ORES, all sorts except ochres and other pigment ores OILS	ewt.	1 1 0	Free		
37A	172	THE FOLLOWING NATURAL ESSENTIAL OILS, namely, citronella, cinnamon, and camomile <i>Tariff value—</i> Citronella oil, natural, from Ceylon, Straits, China, Japan and the East Last	lb	1 5 0	30 per cent	20 per cent	20 per cent
37B	173	NATURAL ESSENTIAL OILS, ALL SORTS NOT otherwise specified <i>Tariff value—</i> Cassia oil, natural, from Ceylon, Straits, China, Japan and the East	lb	<i>Ad valorem</i>	30 per cent	20 per cent	
37C	174	ESSENTIAL OILS, synthetic		<i>Ad valorem</i>	30 per cent	20 per cent	
37D	175	FISH OIL including whale oil		<i>Ad valorem</i>	30 per cent	20 per cent	

Schedule II—(Import Tariff)—continued.

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
38A	40	II—Raw materials and produce and articles mainly unmanufactured—contd • <i>OILS—contd</i> KEROSENE, also any mineral oil other than kerosene and motor spirit which has its flashing point below one hundred degrees of Fahrenheit's thermometer by Abel's close test	Imperial gallon	Rs a p	Three annas and nine pies		
38B	40A	MOTOR SPIRIT	Imperial gallon		Ten annas		
38BB	40B	MINERAL OIL, not included in Serial No 38A or Serial No 38B, which is suitable for use as an illuminant in wick lamps	Imperial gallon		Three annas and nine pies		
38C	41	MINERAL OIL— (1) which has its flashing point at or above two hundred degrees of Fahrenheit's thermometer, and is ordinarily used for the batching of jute or other fibre, which has its flashing point at or above one hundred and fifty degrees of Fahrenheit's thermometer, is not suitable for use as an illuminant in wick lamps and is such as is not ordinarily used except as fuel or for some sanitary or hygienic purposes <i>Tariff value—</i> Mineral oil which has its flashing point at or above one hundred and fifty degrees of Fahrenheit's thermometer, and is such as is not ordinarily used except as fuel or for some sanitary or hygienic purposes if imported in bulk	ton	<i>Ad valorem</i>	Rs 15 10 12½ per cent		
			ton	40 0 0			

Schedule II—(Import Tariff)—continued.

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
38D	222	II—Raw materials and produce and articles mainly unmanufactured— <i>contd</i> OILS— <i>contd</i> LUBRICATING OIL, that is, oil such as is not ordinarily used for any other purpose than lubrication excluding any mineral oil which has its flashing point below two hundred degrees of the Fahrenheit thermometer by Abel's close test	Imperial gallon	Rs 1 p	Two annas and six pies		
39A	223	THE FOLLOWING VEGETABLE NON ESSENTIAL OILS, namely, coconut, groundnut and linseed <i>Tariff values—</i> Coconut oil Linseed oil, raw or boiled	Imperial gallon	1d 10m	55 per cent		25 per cent
39B	224	VEGETABLE NON ESSENTIAL OILS, not otherwise specified	cwt Imperial gallon	12 8 0 2 2 0	55 per cent	25 per cent	25 per cent
40	75	ALL SORTS OF ANIMAL AND MINERAL OILS not otherwise specified, and the following Natural Essential Oils, namely, almond, bergamot, gajapatti, camphor, cloves, eucalyptus, lavender, lemon, otto rose and pepper mint <i>Tariff value—</i> Gajapatty oil, natural, from Ceylon, Straits, China, Japan and the Far East Mineral colza oil	lb Imperial gallon	1 1 0 1 0 0	25 per cent		

Schedule II—(Import Tariff)—continued

Names of Articles	Per	Tariff Values	Standard Rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
				The United Kingdom	A British Colony
<p>Staple and produce and manufactures—<i>contd</i></p> <p>ANIMAL AND MINERAL OILS—<i>contd</i></p> <p>oil, natural, from Ceylon, India, Japan and the Far East, including transit and other than that assessed to the proviso to Item No 59D of the Indian Tariff Act (Serial No 99)</p> <p>SLIDS</p> <p>PRODUCED IN BRITISH INDIA BY TERRITORIES OF ANY PRINCE OR CHIEFTAIN, all sorts not otherwise specified, including copra or coconut</p> <p>copra kernel not otherwise specified</p> <p>IVORY, AND WAX</p> <p>IVORY, WAX, GRASS, and other otherwise specified</p> <p>grease</p> <p>oil, white</p> <p>oil, all other sorts</p>	<p>lb</p> <p>Imperial gallon</p> <p>cwt</p> <p>lb</p> <p>"</p>	<p>Rs 3 8 0</p> <p>1 4 0</p> <p>Ad valorem</p> <p>9 0 0</p> <p>Ad valorem</p> <p>Ad valorem</p> <p>Ad valorem</p> <p>0 3 6</p> <p>0 6 0</p> <p>0 2 6</p>	<p>Free</p> <p>30 per cent</p> <p>25 per cent</p> <p>30 per cent</p> <p>Free</p> <p>25 per cent</p>	<p>20 per cent</p> <p>20 per cent</p>	

Finance Department (Central Revenues) Notification No 11, dated the 9th April 1932, tung oil seeds are exempt for a period of three years from 17th October, 1931

Schedule II—(Import Tariff)—*continued*

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
15		II—Raw materials and produce and articles mainly unmanufactured—<i>could</i> TEXTILE MATERIALS		Rs a p			
	157A	SILK, RAW (excluding silk waste and nolls), and silk cocoons		<i>Ad valorem</i>	25 per cent <i>plus</i> 14 annas per lb		
	157B	SILK WASTE and Nolls		<i>Ad valorem</i>	25 per cent		
	158	COTTON TWIST AND YARN, and cotton sewing or darning thread— (i) of counts above 50's— (a) of British manufacture (b) not of British manufacture (ii) of counts 50's and below— (a) of British manufacture		<i>Ad valorem</i>	5 per cent 6½ per cent		
		(b) not of British manufacture		<i>Ad valorem</i>	5 per cent or 1½ annas per pound, which ever is higher 6½ per cent or 1½ annas per pound, which ever is higher		
				<i>Ad valorem</i>	25 per cent <i>plus</i> 14 annas per pound		
158A		SILK YARN including thrown silk warps but excluding sewing thread and yarn spun from silk waste or nolls		<i>Ad valorem</i>	25 per cent <i>plus</i> 14 annas per pound		
158B		SILK YARN spun from waste or nolls and silk sewing thread		<i>Ad valorem</i>	25 per cent		
158C		COTTON FABRICS not otherwise specified, containing more than 90 per cent of cotton— (i) Grey piece goods (excluding bordered grey chidars, dhuties, saris and scarves)— (a) of British manufacture		<i>Ad valorem</i>	25 per cent or 4½ annas per pound, which ever is higher		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
45— con- td	158C— contd	II—Raw materials and produce and articles mainly unmanufactured—contd TEXTILE MATERIALS—contd COTTON FABRICS—contd (b) not of British manufacture		Rs a p			
		(a) Cotton piece goods and fabrics not otherwise specified— (c) of British manufacture		Ad valorem	50 per cent or 5½ annas per pound, whichever is higher		
		(b) not of British manufacture		Ad valorem	25 per cent		
158D	158D	Fabrics not otherwise specified containing more than 90 per cent of artificial silk— (a) of British manufacture		Ad valorem	30 per cent or 2½ annas per square yard, whichever is higher		
		(b) not of British manufacture		Ad valorem	50 per cent or 4 annas per square yard, whichever is higher		
		(a) Pongee		Ad valorem	50 per cent plus one anna per pound		
158E	158E	Fabrics not otherwise specified containing more than 90 per cent of silk, including such fabrics embroidered with artificial silk— (a) Pongee					
		(b) not of British manufacture					
		(c) of British manufacture					

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
45— con td	158b— contd	II—Raw materials and produce and articles mainly unmanufactured—contd TEXTILE MATERIALS—contd Fabrics, not otherwise, etc—contd (ii) Fuji, Boseki and corded (excluding white cord)		<i>Ad valorem</i>	50 per cent <i>plus</i> one rupee and eight annas per pound		
		(iii) Other sorts		<i>Ad valorem</i>	50 per cent <i>plus</i> two rupees per pound		
		Fabrics not otherwise specified, containing more than 10 per cent and not more than 90 per cent silk— (i) containing more than 50 per cent of silk or artificial silk or of both (ii) containing not more than 50 per cent of silk or artificial silk or of both— (a) containing more than 10 per cent artificial silk (b) containing no artificial silk or not more than 10 per cent artificial silk		<i>Ad valorem</i>	50 per cent <i>plus</i> two rupees per pound		
		Fabrics not otherwise specified, containing not more than 10 per cent silk but more than 10 per cent and not more than 90 per cent artificial silk— (i) containing 50 per cent or more cotton— (a) of British manufacture		<i>Ad valorem</i>	50 per cent or Rs 18 per pound which ever is higher 50 per cent		
	158G			<i>Ad valorem</i>	10 per cent or 2 annas per square yard, whichever is higher		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
45—continued	158G— <i>concord</i>	III—Raw Materials and produce and articles mainly unmanufactured— <i>contd</i> TEXTILE MATERIALS— <i>contd</i> (b) not of British manufacture		Rs a p <i>Ad valorem</i>	50 per cent, or 3½ annas per square yard, whichever is higher		
		(a) containing no cotton or containing less than 50 per cent cotton— (a) of British manufacture (b) not of British manufacture		<i>Ad valorem</i> <i>Ad valorem</i>	30 per cent or 2½ annas per square yard, whichever is higher 50 per cent or 4 annas per square yard, whichever is higher		
	158H	Fabrics not otherwise specified, containing not more than 10 per cent silk or 10 per cent artificial silk or 10 per cent wool, but containing more than 50 per cent cotton and not more than 90 per cent cotton— (a) of British manufacture (b) not of British manufacture		<i>Ad valorem</i> <i>Ad valorem</i>	25 per cent 50 per cent		
	158J	The following cotton fabrics, namely— Sateens, including variations of Sateen weave, velvets and velveteens and embroidered all overs— (a) of British manufacture (b) not of British manufacture		<i>Ad valorem</i> <i>Ad valorem</i>	25 per cent 35 per cent		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
45— con td		II—Raw Materials and produce and articles mainly unmanufactured—contd TEXTILE MATERIALS—contd					
	158K	Fabrics containing gold or silver thread		Ad valorem	50 per cent		
	158L	Textile Manufactures, the following articles then made wholly or mainly of any of the fabrics specified in items 1580C to 158K — Bed sheets, Bed spreads Bolster cases, Counterpanes, Cloths, table, Cloths, tray, Covers, bed, Covers, table, Dusters, Glass cloths, Handkerchiefs, Napkins, Pillow cases, Pillow slips, Scarves, Shirts, Shawls, Sacks, (cotton), Towels		Ad valorem	The rates of duty applicable to the fabric of which the article is wholly or mainly made		
	158M	COTTON KNITTED FABRIC		Ad valorem	50 per cent or 12 mms per pound, which ever is higher		
	158N	COTTON BRAIDS OR CORDS the following, namely — Ghoonsis and Multakesis			10½ mms per lb		
	158O	COTTON HOSIERY , the following, namely — Cotton undersets, knitted or woven, and cotton socks or stockings		Ad valorem	25 per cent or 12 mms per pound, which ever is higher		

Schedule II.—(Import Tariff)—continued

Schedule II.—(Import Tariffs)							
Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		II—Raw materials and produce and articles mainly unmanufactured—<i>contd</i>					
		WOOD AND TIMBER					
48	49	FIREWOOD		<i>Ad valorem</i>	2½ per cent		
49	79	WOOD AND TIMBER, all sorts, not otherwise specified, including all sorts of ornamental wood		<i>Ad valorem</i>	25 per cent		
		MISCELLANEOUS					
50	80	CANES AND RATTANS		<i>Ad valorem</i>	25 per cent		
		<i>Tariff values—</i>					
		Canes—					
		Malacca	100 pieces	25 0 0			
		Chumby	"	10 4 0			
		Trees	"	5 4 0			
		Root moonah	"	15 8 0			
		Mannu	"	14 8 0			
		Polo, all kinds—					
		Not exceeding 10 feet in length	"	55 0 0			
		Exceeding 10 feet in length	"	75 0 0			
		Tohite	cwt	20 0 0			
		Rattans—					
		Chair	"	15 0 0			
		Basket	"	6 12 0			
		Outers	"	55 0 0			
		Inners	"	35 0 0			
50A	8A	CHINA CLAY		.		Free	

Schedule II — (Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of— The United Kingdom A British Colony
51	81	II—Raw materials and produce and articles mainly unmanufactured—could MISCELLANEOUS—could COWRIES AND SHIRLS Tariff values— Cowries, bazarr, common Cowries, yellow, superior quality Cowries, mullive Cowries, Sankhi Mother of pearl, nacre Nakha Tortoise shell Tortoise shell, nakh Ivory, unmanufactured Tariff values— Elephants' grinders Elephants' tusks (other than hollows, centres, and points) each exceeding 20 lb in weight, and hollows, centres and points each weighing 10 lb and over Elephants' tusks (other than hollows, centres and points), not less than 10 lb and not exceeding 20 lb each, and hollows, centres and points each weighing less than 10 lb Elephants' tusks each less than 10 lb (other than hollows, centres, and points) Sea cow or move teeth, each not less than 1 lb Sea cow or move teeth, each not less than 3 lb and under 1 lb	cwt " " " " lb " cwt " " " " " cwt " 			

20 per cent

Schedule II.—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
53	9	II—Raw materials and produce and articles mainly unmanufactured—<i>conold</i> MISCELLANEOUS—<i>conold</i> MANURES, all sorts, including animal bones and the following chemical manures — Basic slag, nitrate of ammonia, nitrate of soda, muriate of potash, sulphate of ammonia, sulphate of potash, kamit salts, carbamide, urea, nitrate of lime, calcium cyanamide, ammonium phosphates, mineral phosphates and mineral superphosphates		Rs and p	Free		
54	5	PRECIOUS STONES, unset and imported uncut, and Pearls, unset			Free		
55	83	PRECIOUS STONES, unset and imported cut (see Serial No 54)		<i>Ad valorem</i>	25 per cent		
56	10	RAGS AND OTHER PAPER MAKING MATERIALS, excluding wood pulp			Free		
57	10A	RUBBER STUMPS, rubber seeds and raw rubber			Free		
58	84	ALL OTHER RAW materials and produce and articles mainly unmanufactured, not otherwise specified *		<i>Ad valorem</i>	25 per cent		

* Under Government of India, Finance Department (Central Revenues) Notification No 14, dated the 9th April 1932, unmanufactured Alchor is exempt from payment of import duty

Schedule II — (Import Tariff) — continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty in the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
59	180	III — Articles Wholly or Mainly Manufactured APPAREL APPAREL, including hats, caps, bonnets and hatters' ware, second hand clothing, drape-ry and uniforms and accoutrements, ex-cluding articles made of wool, articles made of gold or silver thread or lincen, articles made of silk or silk mixtures or of artificial silk or artificial silk mixtures, uniforms and accoutrements exempted from duty under Serial No 60, and boots and shoes exclud- ing also waterproofed clothing		<i>Id valore</i>	30 per cent	20 per cent	20 per cent
59A	225	BOOTS AND SHOES composed mainly of leather		<i>Id valore</i>	30 per cent or 50 per cent, whichever is higher	20 per cent or 50 per cent, whichever is higher	20 per cent or 50 per cent, whichever is higher
59B	41B	BOOTS AND SHOES not otherwise specified		<i>Id valore</i>	25 per cent or 50 per cent, whichever is higher	20 per cent or 50 per cent, whichever is higher	20 per cent or 50 per cent, whichever is higher
59C	41C	UPPER PARTS FOR BOOTS AND SHOES unless entirely made of leather		<i>Id valore</i>	25 per cent or 50 per cent, whichever is higher	20 per cent or 50 per cent, whichever is higher	20 per cent or 50 per cent, whichever is higher
60	11	UNIFORMS AND ACCOUTREMENTS, Apparel in-cluding thereto, imported by a public servant for his personal use					
61	226	ARMS, AMMUNITION AND MILITARY STORES CARTRIDGE CASES, filled and empty		<i>Id valore</i>	50 per cent	40 per cent	40 per cent

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
61A	227	III.—Articles wholly or mainly manufactured—contd ARMS, AMMUNITION AND MILITARY STORES—contd SUBJECT TO THE EXEMPTIONS SPECIFIED IN Serial No 64— (1) Barrels, whether single or double, for firearms, including gas and air guns, gas and air rifles, and gas and air pistols, not otherwise specified (2) Main springs and magazine springs for firearms, including gas guns, gas rifles and gas pistols (3) Gun stocks and breech blocks (4) Revolver cylinders, for each cartridge they will carry (5) Actions (including skeleton and waster) breech bolts and their heads, cocking pieces, and locks for muzzle loading arms (6) Machines for making, loading, or closing cartridges for rifled arms (7) Machines for capping cartridges for rifled arms	each	Rs a p	Rs 18 12 plus 10 per cent <i>ad valorem</i> , or 50 per cent <i>ad valorem</i> , whichever is higher Rs a } 18 12 6 4 3 12 2 8 1 4 or 37½ % <i>ad valorem</i> , whichever is higher, plus 12½ % <i>ad valorem</i>	Rs 18-12 or 10 per cent <i>ad valorem</i> , whichever is higher	
61B	42						

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of Duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured—<i>contd</i>					
		ARMS, AMMUNITION AND MILITARY STORES—<i>contd</i>					
62	125	GUNPOWDER for cannons, rifles, guns, pistols and sporting purposes		<i>Ad valorem</i>	50 per cent		
63	126	SAVE WHERE OTHERWISE SPECIFIED, all articles which are arms or parts of arms within the meaning of the Indian Arms Act, 1878 (excluding springs used for air-guns), all tools used for cleaning or putting together the same, all machines for making, loading, closing or capping cartridges for arms other than rifled arms and all other sorts of ammunition and military stores, and any articles which the Governor General in Council may, by notification in the Gazette of India, declare to be ammunition or military stores for the purposes of this Act		<i>Ad valorem</i>	50 per cent		
64	12	The following ARMS, AMMUNITION AND MILITARY STORES — (a) Arms forming part of the regular equipment of a commissioned or gazetted officer in His Majesty's Service entitled to wear diplomatic, military, naval, Royal Air Force or police uniform			Free		

Schedule II—(Import Tariff)—continued

No. in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
					The United Kingdom	A British Colony
12— could	<p>III—Articles wholly or mainly manufactured—<i>contd</i></p> <p>ARMS, AMMUNITION AND MILITARY STORES—<i>contd</i></p> <p>(b) A revolver and an automatic pistol and ammunition for such revolver and pistol up to a maximum of 100 rounds per revolver or pistol, (2) when accompanying a commissioned officer of His Majesty's regular forces, or of the Indian Auxiliary Force or the Indian Territorial Force or a gazetted police officer, or (22) certified by the commanding officer of the corps to which such officer belongs, or, in the case of an officer not attached to any corps, by the officer commanding the station or district in which such officer is serving or, in the case of a police officer, by an Inspector General or Commissioner of Police, to be imported by the officer for the purpose of his equipment</p> <p>(c) Swords for presentation as army or volunteer prizes</p> <p>(d) Arms, ammunition, and military stores imported with the sanction of the Government of India, for the use of any portion of the military forces of a State in India being a unit notified in pursuance of the First Schedule to the Indian Extradition Act, 1903</p>		Rs a p			

Serial No

61—
could

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
61— con cld	12— con cld	III —Articles wholly or mainly manufactured— <i>contd</i> ARMS, AMMUNITION AND MILITARY STORES— <i>contd</i> The following ARMS, etc — <i>contd</i> (c) Morris tubes and patent ammunition imported by officers commanding British and Indian regiments or volunteer corps for the instruction of their men *		Rs 2 p			
65	80A	ORNAMENTAL ARMS of an obsolete pattern possessing only an antiquarian value, masonic and theatrical and fancy dress swords, provided they are virtually useless for offensive or defensive purposes, and <i>daghs</i> intended exclusively for domestic, agricultural and industrial purposes		<i>Ad valorem</i>	25 per cent		
66	86	EXPLOSIVES, namely, blasting gunpowder, blasting gelatine, blasting dynamite, blasting roborite, blasting tonite, and all other sorts, including detonators and blasting fuze †		<i>Ad valorem</i>	25 per cent		
67	13	CHEMICALS, DRUGS AND MEDICINES ANTI-PLAGUL SERUM			Free		
68	13A	BLEACHING PASTL and bleaching powder			Free		

* Under Government of India, Finance Department (Central Revenues) Notification No 14, dated the 9th April 1932, 22 Inch Adapters imported by officers commanding a unit of the Army in India for the instruction of their men are also exempt from payment of import duty

† Under Government of India, Finance Department (Central Revenues) Notification No 14, dated the 9th April 1932, certain specified explosives specially adapted for use in dangerous coal mines are exempt from payment of import duty

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
68A	127	III—Articles wholly or mainly manufactured— <i>could</i> CHEMICALS, DRUGS AND MEDICINES — <i>could</i> CAMPHOR <i>Tariff values—</i> Camphor, refined, other than powder Camphor, powder, other than synthetic Camphor, synthetic, tablets and slabs Camphor, synthetic, powder COPPERAS, green (ferrous sulphate) OPPIUM and its alkaloids and their derivatives	lb " " " seer of 80 tolas	Rs a p <i>Ad valorem</i> 1 8 0 1 0 0 1 0 0 1 0 0 <i>Ad valorem</i>	50 per cent 2½ per cent Rs 30 or 18½ per cent <i>ad valorem</i> , whichever is higher Free		
69	50						
70	42B						
71	14	CINCHONA BARK and the alkaloids extracted therefrom including Quinine and alkaloids derived from other sources which are chemically identical with alkaloids extracted from cinchona bark HEAVY CHEMICALS, the following — Magnesium chloride Provided that the duty on any article included in this item shall in no case be less than the duty which would be charged if the article were included in Part V of the Statutory Schedule (<i>ie</i> , 25 per cent <i>ad valorem</i>)	cwt		Rs 0 8 9		
72	141B						
73	14B	SULPHUR			Free		
74	228	The following CHEMICALS, namely, cadmium sulphide, cobalt oxide, selenium, uranium oxide and zinc oxide		<i>Ad valorem</i>	25 per cent	15 per cent	

Schedu'e II--(Import Tariff)--continued

Serial No		No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	The United Kingdom	Preferential rate of duty if the article is the produce or manufacture of—
			III—Articles wholly or mainly manufactured— <i>contd</i> CHEMICALS, DRUGS AND MEDICINES— <i>contd</i>		Rs a p			
74B	contd	181— <i>contd</i>	CHEMICALS, drugs and medicines, all sorts not otherwise specified— <i>contd</i> <i>Tariff values—</i> Ammonium chloride— Muriate of Ammonia, crystalline Sal ammoniac, sublimed Other sorts, including compressed Boric acid (in bulk) Calcium chloride Carbonic acid gas including compressed or liquified gas Caustic potash Chlorine Copper sulphate Menthol (peppermint) crystals Potassium bichromate Soda ash including calcined natural soda and manufactured sesqui carbonates Soda, caustic, flake Soda, caustic, powdered Soda, caustic, solid Soda crystals Sodium bichromate Sodium hydrosulphite Sodium hyposulphite (in bulk) Sodium sulphide Tartaric acid in kegs or in bulk Iron or natural soda, uncalcined Columba root	cwt " " " " lb cwt lb cwt oz cwt " " " " " " " " " " " " " "	12 8 0 25 0 0 18 0 0 16 0 0 4 6 0 0 5 6 26 0 0 0 5 0 13 4 0 0 9 6 33 0 0 5 8 0 13 10 0 14 4 0 10 12 0 6 8 0 26 8 0 48 0 0 10 2 0 6 8 0 65 0 0 4 0 0 5 4 0			

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
74B.— <i>contd</i>	181— <i>contd</i>	III—Articles wholly or mainly manufactured—<i>contd</i> CHEMICALS, DRUGS AND MEDICINES <i>—contd</i> CHEMICALS, drugs and medicines, all sorts not otherwise specified— <i>contd</i> <i>Tariff values—</i> China root (Chobchini) rough China root (Chobchini) scraped Cubebs Galangal, China Salsep	cwt " " " "	Rs 2 p 13 8 0 21 8 0 44 0 0 12 0 0 105 8 0			
		CONVEYANCES COAL TUBS, tipping waggons and the like conveyances designed for use on light rail track, if adapted to be worked by manual or animal labour and if made mainly of iron or steel, and component parts thereof made of iron or steel— (a) if of British manufacture					
		(b) if not of British manufacture				Rs 26 4 or 21 1/2 per cent <i>ad valorem</i> , which ever is higher Rs 26 4 or 21 1/2 per cent <i>ad valorem</i> , which ever is higher, plus Rs 18-12 per ton	
						Ad valorem	20 per cent
		CARRIAGES and carts which are not mechanically propelled not otherwise specified, and cycles (other than motor cycles) imported entire or in sections and parts and accessories thereof, excluding rubber tyres and tubes					
75A	182						
75	142						

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
70	229	III—Articles wholly or mainly manufactured—<i>contd</i> CONVEYANCES—<i>contd</i> MOTOR CARS including tractors and articles (other than rubber tyres and tubes) adapted for use as parts and accessories thereof provided that such articles as are ordinarily also used for other purposes than as parts and accessories of motor vehicles included in this item or in Serial Nos 76A and 76B shall be dutiable at the rate of duty specified for such articles		<i>Ad valorem</i>	37½ per cent	30 per cent	
76A	42A	MOTOR CYCLES and motor scooters and articles (other than rubber tyres and tubes) adapted for use as parts and accessories thereof except such articles as are also adapted for use as parts and accessories of motor cars		<i>Ad valorem</i>	37½ per cent		
76B	230	MOTOR OMNIBUSES, chassis of motor omnibuses, motor vans and motor lorries, and parts of mechanically propelled vehicles and accessories not otherwise specified, excluding rubber tyres and tubes and such parts and accessories of motor vehicles included in this item as are also adapted for use as parts and accessories of motor cars		<i>Ad valorem</i>	25 per cent	17½ per cent	
77	87	TRAMCARS, passenger lifts and all other sorts of conveyances not otherwise specified and component parts and accessories thereof, also motor vans and motor lorries imported complete		<i>Ad valorem</i>	25 per cent		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III —Articles wholly or mainly manufactured—could CUTLERY, HARDWARE, IMPLEMENTS AND INSTRUMENTS					
78	15	The following Agricultural Implements, namely winnowers, threshers, mowing and reaping machines, binding machines, elevators, seed and corn crushers, chaff cutters, root-cutters, ensilage cutters, horse and bullock gears, ploughs, cultivators, scurifiers, harrows, clod crushers, seed drills, hay-tedders, hay presses, potato diggers, latex spouts, spraying machines, powder blowers, white tin exterminating machines, beet pullers, broadcastseeders, corn pickers, corn shellers, culti packers, drag scrapers, stalk cutters, huskers and shredders, potato plan ters, lime sowers, manure spreaders, listers, soil graders, and rakes, also agricultural tractors, also component parts of these implements machines or tractors provided that they can be readily fitted into their proper places in the implements, machines or tractors for which they are imported, and that they cannot ordinarily be used for purposes unconnected with agriculture *			Free		

* Under Government of India, Finance Department (Central Revenues) Notification No 14, dated the 9th April 1932, the following agricultural machines and implements, namely, flame throwers for attachment to spraying machines designed for the extermination of locusts, and litex cups, are exempt from payment of import duty

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
83A	90	<p>III—Articles wholly or mainly manufactured—<i>contd</i></p> <p>CUTLERY, HARDWARE, IMPLEMENTS AND INSTRUMENTS—<i>contd</i></p> <p>The following ELECTRICAL INSTRUMENTS, apparatus and appliances, namely, telegraphic and telephonic instruments, apparatus and appliances not otherwise specified, flash lights, carbons, condensers, and bell apparatus, and switch boards designed for use in circuits of less than ten amperes and at a pressure not exceeding 250 volts.*†</p> <p>Gold or gold plated pen nibs</p> <p>The following HARDWARE, ironmongery and tools, namely, agricultural implements not otherwise specified, buckets of tinned or galvanised iron, and pruning knives</p>		<p><i>Ad valorem</i> 25 per cent</p>	25 per cent		
83B 84	232A 89			<p><i>Ad valorem</i> 50 per cent</p> <p><i>Ad valorem</i> 25 per cent</p>	40 per cent		

* Under Government of India, Finance Department (Central Revenues), Notification No 14, dated the 9th April 1932, the following wireless apparatus is liable to duty at 2½ per cent *ad valorem*—

(i) apparatus for wireless reception [excluding apparatus specially designed for the reception of broadcast wireless and apparatus of the description specified in clause (ii) and component parts of such apparatus, when imported under cover of a certificate issued by the Director General of Posts and Telegraphs to the effect that he is satisfied that the apparatus will not be used for the reception of broadcast wireless,

(ii) apparatus for wireless reception incorporated in a single unit with transmitting apparatus

(iii) wireless transmission apparatus and component parts thereof

Provided that nothing shall be deemed to be a component part of apparatus for wireless telegraphy or telephony for the purpose of this exemption unless it is essential for the working of such apparatus and has been given for that purpose some special shape or quality that would not be essential for its use for any other purpose

+ Under Government of India, Finance Department (Central Revenue), Notification No 14, dated the 9th April 1932, telegraphic instruments and apparatus and parts thereof imported for supply from bond for use of a Railway Administration are liable to duty at 15½ per cent *ad valorem*, provided that, (i) at the time of delivering the bill of entry for warehousing a declaration is made thereon by the importer to the effect that the goods have been imported for supply from bond for the use of a Railway Administration, and (ii) a certificate from an Officer of the Railway Administration, duly empowered in that behalf by the Agent, is produced along with the application for clearance out of bond that the goods in question are not merely guaranteed stock, but will be definitely appropriated for the use of such Railway on clearance from bond

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured—contd		Rs p			
81A	185	CUTLERY, HARDWARE, IMPLEMENTS AND INSTRUMENTS—contd WARDWARE, ironmongery and tools, all sorts not otherwise specified, including incense-scent in bottles, but excluding machine tools and agricultural implements <i>Tariff value—</i> Crown corks	gross	<i>Ad valorem</i> 0 9 0	30 per cent Free	20 per cent	
85	17	INSTRUMENTS, apparatus and appliances, imported by a passenger as part of his personal baggage and in actual use by him in the exercise of his profession or calling					
86	130	The following MUSICAL INSTRUMENTS, namely, complete organs and harmoniums and records for talking machines		<i>Ad valorem</i>	50 per cent		
86A	233	MUSICAL INSTRUMENTS and parts thereof, all sorts not otherwise specified		<i>Ad valorem</i>	50 per cent	40 per cent	
86B	91	OPTICAL INSTRUMENTS, apparatus and appliances		<i>Ad valorem</i>	25 per cent		
87	59	TELEGRAPHIC INSTRUMENTS and apparatus, and parts thereof imported by, or under the orders of, the Railway Administration		<i>Ad valorem</i>	15½ per cent		
88	18	WATER LIFTS, sugar mills, sugar centrifuges, sugar pugmills, oil presses, and parts thereof, when constructed so that they can be worked by manual or animal power, and puns for boiling sugar cane juice			Free		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce of—	
						The United Kingdom	A British Colony
88A	234	III—Articles wholly or mainly manufactured— <i>contd</i> CUTLERY, HARDWARE, IMPLEMENTS AND INSTRUMENTS— <i>contd</i> Wireless reception instruments and apparatus and component parts thereof, including all electric valves, amplifiers and loud speakers which are not specially designed for purposes other than wireless reception or are not original parts of and imported along with instruments or apparatus so designed *		Rs a p <i>Ad valorem</i>	50 per cent	40 per cent	
89	187	INSTRUMENTS, apparatus and appliances, other than electrical, all sorts not otherwise specified, including photographic, scientific, philosophical and surgical		<i>Ad valorem</i>	30 per cent	20 per cent	
90	158	DYES AND COLOURS CUTCH AND CAMPHOR, all sorts		<i>Ad valorem</i>	30 per cent		20 per cent
90A	58A	<i>Tariff values—</i> Gambier, block and cube	cwt	13 0 0			
		Gambier in flakes or circular pieces	"	38 0 0			
		Dyes derived from coal tar, and coal tar derivatives, used in any dyeing process		<i>Ad valorem</i>	10 per cent		

* Under Government of India, Finance Department (Central Revenues) Notification No 14, dated the 9th April 1932, wireless apparatus is liable to duty at 2½ per cent *ad valorem*

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
90A continued	58A—continued	III—Articles wholly or mainly manufactured—contd		Rs and p			
		DYES AND COLOURS—contd					
		Dyes derived from coal tar, and coal tar derivatives, used in any dyeing process— <i>old Tariff values</i> —					
		Alizarine, moist—	cwt	65 0 0			
		(a) not exceeding 16 per cent	"	80 0 0			
		(b) over 16 per cent not exceeding 20 per cent	"	160 0 0			
		(c) exceeding 20 per cent	"				
		Alizarine, dry—	lb	1 13 0			
		(a) not exceeding 40 per cent	"	3 10 0			
		(b) exceeding 40 per cent	"	0 10 6			
		Congo red	"	5 0 0			
		Coupling dyes of the naphthol group—	"	8 0 0			
		(a) Naphthols	"	4 0 0			
		(b) Rapid fast colours (rapid salts)	"	2 1 0			
		(c) Bases	"				
		(d) Other salts	"	1 8 0			
		Vats—	"	3 13 0			
		(a) Indigo	"				
		(b) Carbazole blue	"	3 4 0			
		(c) Other sorts—	"	15 0 0			
		(i) Paste	"	0 7 0			
		(ii) Powder	"	1 2 0			
		Sulphur black	"	0 12 6			
		Met mid yellow	"				
		Auramine of concentration of 15 per cent or less	"	0 12 6			
		Rhodamine of concentration of 15 per cent or less (Carrhamines)	"	0 6 6			
		Aniline salts	"	1 12 0			
		All others	"				

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured— <i>contd</i>		Rs and p			
		DYES AND COLOURS— <i>contd</i>					
90B	92	DYEING AND TANNING SUBSTANCES, all sorts not otherwise specified		<i>Ad valorem</i>	25 per cent		
		<i>Tariff values—</i>	lb cwt	0 15 6 46 0 0			
		Cochineal					
		Gilnuts, Persian					
91	93	The following PAINTS, Colours and Painters' materials, namely, barytes, reduced dry red lead and white lead, moist white lead, reduced dry zinc white and moist zinc white, turpentine, turpentine substitute, and varnish, not containing dangerous petroleum within the meaning of the Indian Petroleum Act 1899		<i>Ad valorem</i>	25 per cent		
91A	190	Plumbago and graphite		<i>Ad valorem</i>	30 per cent		20 per cent
91B	199	PAINTS, colours and painters' materials, all sorts not otherwise specified, including paints, solutions and compositions containing dangerous petroleum within the meaning of the Indian Petroleum Act, 1899		<i>Ad valorem</i>	30 per cent	20 per cent	
		<i>Tariff values—</i>	cwt lb "	3 7 0 1 0 0 2 4 0			
		Cattle fish bone					
		Gamboge					
		Vermillion from China					

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Article,	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
92	192	III—Articles wholly or mainly manufactured— <i>could</i> FURNITURE AND CABINETWARE Furniture and cabinetware of all materials, excluding mouldings GLASSWARE, EARTHENWARE AND PORCELAIN EARTHENWARE pipes and sanitary ware EARTHENWARE, china and porcelain, all sorts not otherwise specified GLASS AND GLASSWARE, lacquered ware, all sorts except glass bangles and beads and false pearls (see Serial No 1290)		Rs and p <i>Ad valorem</i>	30 per cent	20 per cent	
93	191	Tariff values— Aerated water bottles, empty— Codd's pattern— Under 10 ozs 10 ozs Over 10 ozs Crown cork pattern— 7 ozs and under Over 7 ozs up to and including 10 ozs Over 10 ozs	gross " " " " " "	21 0 0 24 0 0 26 0 0 11 0 0 15 0 0 17 8 0	25 per cent 30 per cent 25 per cent	20 per cent	
94	94						

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
95	95	<p>III—Articles wholly or mainly manufactured—<i>could</i></p> <p>HIDES AND SKINS AND LEATHERS</p> <p>HIDES AND SKINS not otherwise specified, and the following leather manufactures, namely, saddlery, harness, trunks and bags</p> <p>SKINS, tanned or dressed, unwrought leather, leather cloth including artificial leather, and other manufactures of leather not otherwise specified</p>		<i>Ad valorem</i>	25 per cent		
	193			<i>Ad valorem</i>	30 per cent	20 per cent	
96	59A	<p>MACHINERY</p> <p>MACHINERY, namely, such of the following articles as are not otherwise specified—</p> <p>(1) prime movers, boilers, locomotive engines and tenders for the same, portable engines (including power driven road rollers, fire engines and tractors), and other machines in which the prime mover is not separable from the operative parts,</p> <p>(2) machines and sets of machines to be worked by electric, steam, water, fire or other power, not being manual or animal labour, or which before being brought into use require to be fixed with reference to other moving parts,</p>		<i>Ad valorem</i>	10 per cent	.	

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Name of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
96— <i>continued</i>	59A	<p>III —Articles wholly or mainly manufactured—<i>could</i> MACHINERY—<i>could</i></p> <p>(3) apparatus and appliances, not to be operated by manual or animal labour, which are designed for use in an industrial system as parts indispensable for its operation and have been given for that purpose some special shape or quality which would not be essential for their use for any other purpose,</p> <p>(4) control gear, self acting or otherwise, and transmission gear designed for use with any machinery above specified, including belting of all materials (other than cotton, hair and canvas ply) and driving chains, but excluding driving ropes not made of cotton,</p> <p>• (5) bare hard drawn electrolytic copper wires and cables and other electrical wires and cables, insulated or not and poles, troughs, conduits and insulators designed as parts of a transmission system, and the fittings thereof</p> <p>NOTE —The term 'industrial system' used in sub clause (3) means an installation designed to be employed directly in the performance of any process or series of processes necessary for the manufacture, production or extraction of any commodity</p>					

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
97	59B	<p>III —Articles wholly or mainly manufactured—contd</p> <p>MACHINERY—contd</p> <p>The following TEXTILE MACHINERY and apparatus by whatever power operated, namely, healds, heald cords and heald knitting needles, reeds and shuttles, warp and weft preparation machinery and looms, bobbins and pirns, dobbies, Jacquard machines, Jacquard harness linen cards, Jacquard cards, punching plates for Jacquard cards, warping mills, multiples box sleys, solid border sleys, tape sleys, swivel sleys, tape looms, wool carding machines, wool spinning machines, hosiery machinery, cor mat shearing machines, cor fibre willowing machines, heald knitting machines, dobby cards, lattices and lags for dobbies, wooden winders, silk looms, silk throwing and reeling machines, cotton yarn reeling machines, sizing machines doubling machines, silk twisting machines, cone winding machines, piano card cutting machines, harness building frames, card lacing frames, drawing and denting hooks, sewing thread bobbins making machines, comb finishing machinery hank boilers, cotton carding and spinning machines, maul eyes, lingoes, comb boards and comb board frames, take up motions, temples and pickers, picking bands, picking sticks, printing machines, roller cloth, clever cloth, sizing flannel, and rollerskins</p>		<i>Ad valorem</i>	10 per cent		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff value,	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		<p>III—Articles wholly or mainly manufactured—<i>could</i></p> <p>MACHINERY—<i>could</i></p> <p>Provided that articles which do not satisfy this condition shall also be deemed to be component parts of the machine to which they belong if they are essential to its operation and are imported with it in such quantities as may appear to the Collector of Customs to be reasonable</p>					
99A	12A	Cotton, hair and canvas ply belting for machinery		<i>Ad valorem</i>	6½ per cent		
99B	13B	Rubber-Insulated Copper Wires and Cables, no core of which, other than one specially designed is a pilot core, has a sectional area of less than one eightieth part of a square inch, whether made with any additional insulating or covering material or not		<i>Ad valorem</i>	6½ per cent		
100	104	MACHINERY and component parts thereof, meaning machines or parts of machines to be worked by manual or animal labour, not otherwise specified, and any machines (except such as are designed to be used exclusively in industrial processes) which require for their operation less than one quarter of one brake horse power		<i>Ad valorem</i>	30 per cent	20 per cent	

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
101a	235	III—Articles wholly or mainly manufactured—contd METALS, IRON AND STEEL IRON alloys IRON ANGLE, channel and tee— (a) fabricated, all qualities— (i) of British manufacture (ii) not of British manufacture (b) not fabricated, kinds other than galvanized, tinned or lead coated and other than Crown or superior qualities— (i) of British manufacture (ii) not of British manufacture IRON ANGLE, channel and tee not otherwise specified <i>Tariff values—</i> Angle, channel and tee— Crown and superior qualities, not fabricated Other kinds, not fabricated, if galvanized, tinned, or lead coated		Rs 2 p	20 per cent	10 per cent	
101b	143		ton	<i>Ad valorem</i>	Rs 26.4 or 21½ per cent <i>ad valorem</i> , whichever ever is higher Rs 26.4 or 21½ per cent <i>ad valorem</i> , whichever ever is higher plus Rs 18-12 per ton		
			ton		Rs 23 12 Rs 37-8		
101c	235		ton	<i>Ad valorem</i>	20 per cent	10 per cent	
			ton	210 0 0 200 0 0			

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
101d	111	III—Articles wholly or mainly manufactured— <i>could</i> MILLS, IRON AND STEEL— <i>could</i> IRON, common but not galvanized, tinned or lead coated is not of any shape and dimension specified in clause (a) or clause (c) of Serial No 102c— (i) of British manufacture (ii) not of British manufacture	ton ton	Rs a p Rs 32 8 Rs 46 1	 20 per cent	 10 per cent	
101e	235	IRON BAR AND ROD not otherwise specified <i>Tariff values—</i> Bar and rod— Quality superior to Grade A of the British Engineering Standard Association Grade A of the British Engineering Standard Association and Crown quality and intermediate qualities— Over $\frac{1}{2}$ inch in diameter or thickness $\frac{3}{4}$ inch and under in diameter or thickness Common, if galvanized, tinned, or lead-coated	ton " " "	385 0 0 225 0 0 235 0 0 220 0 0	 Ad valorem 20 per cent	 10 per cent	
101f	235	IRON, pig <i>Tariff value—</i> Iron, pig	ton	Ad valorem 70 0 0	20 per cent	10 per cent	

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
101g	235	III—Articles wholly or mainly manufactured— <i>contd</i> METALS, IRON AND STEEL— <i>contd</i> Iron rice bowls		Rs 1 p			
102a	237	STEEL, angle and tee, if galvanized, tinned or lead coated <i>Tariff value—</i> Angle and tee, if galvanized, tinned or lead coated, not fabricated	ton	Ad valorem 200 0 0	20 per cent 20 per cent	10 per cent 10 per cent	
102b	151	STEEL, angle and tee, not otherwise specified (see Serial No 102a) and beam, channel, zed, trough and piling— (a) fabricated— (i) of British manufacture	ton		Rs 20 1 or 21 1 per cent <i>ad valorem</i> , which ever is higher Rs 20 4 or 21 1 per cent <i>ad valorem</i> , which ever is higher plus Rs 18-12 per ton		
		(12) not of British manufacture	ton				
		(b) not fabricated— (i) of British manufacture (ii) not of British manufacture	ton ton	Ad valorem	Rs 23-12 Rs 37 8 20 per cent	10 per cent	
102c	237	STEEL, bar and rod, the following kinds— (a) shapes specially designed for the reinforcement of concrete, if the smallest dimension is under $\frac{1}{2}$ inch,					

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
102d	152	<p>III—Articles wholly or mainly manufactured—<i>contd</i></p> <p>WELLS, IRON AND STEEL—<i>contd</i></p> <p>(b) all shapes and sizes, if—</p> <p>(i) of alloy, crucible, shear, blister or tub steel, or</p> <p>(ii) galvanized or coated with other metals, or</p> <p>(iii) planished or polished, including bright steel shafting,</p> <p>(c) other qualities, if of any of the following shapes and sizes—</p> <p>(i) rounds not over 7/16 inch diameter,</p> <p>(ii) squares not over 7/16 inch side,</p> <p>(iii) flats, if under 1 inch wide and not over ½ inch thick,</p> <p>(iv) flats not under 8 inches wide and not over ½ inch thick,</p> <p>(v) ovuls, if the dimension of the major axis is not less than twice that of the minor axis,</p> <p>(vi) all other shapes, any size</p> <p><i>Tariff values—</i></p> <p>Br and rod—</p> <p>Galvanized or coated with other metals, all shapes and sizes</p> <p>Planished or polished, including bright steel shafting, all shapes and sizes</p> <p>STEEL, BAR AND ROD, not otherwise specified (see Serial No 102c)—</p> <p>(i) of British manufacture</p> <p>(ii) not of British manufacture</p>	ton " ton	Rs 200 0 0 100 0 0	Rs 32-8 Rs 46 1/2		

Schedule I—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured—could					
102.		METALS, IRON AND STEEL—could					
	217	STEEL (other than bars), alloys, crucibles, shear, blister and tub *		<i>Ad valorem</i>	20 per cent	10 per cent	
102f	257	STEEL (other than bars) made for springs and cutting tools by any process		<i>Ad valorem</i>	20 per cent	10 per cent	
102g	237	STEEL, ingots, blooms and billets, and slabs of 1 thickness of 1½ inches or more		<i>Ad valorem</i>	20 per cent	10 per cent	
102h	153	STEEL structures, fabricated partially or wholly, not otherwise specified, if made mainly or wholly of steel bars, sections, plates or sheets, for the construction of buildings, bridges, tanks, well curbs, trestles, towers and similar structures or for parts thereof, but not including builders' hardware (see Serial No 84A) or any of the articles specified in Serial Nos 75A, 76B, 77, 98, 99 or 159— (i) of British manufacture	ton		Rs 26-4 or 21½ per cent <i>ad valorem</i> , whichever is higher Rs 26-4 or 21½ per cent <i>ad valorem</i> , whichever is higher, plus Rs 18-12 per ton		
		(ii) not of British manufacture	ton				

* Under Government of India, Finance Department (Central Revenues) Notification No 14, dated the 9th April 1932, crucible steel is liable to duty at the standard rate of 20 per cent *ad valorem* or the preferential rate of 10 per cent *ad valorem* as the case may be

Schedule II—(Import Tariff)—*continued*

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured—<i>contd</i>		Rs a p			
		METALS, IRON AND STEEL—<i>contd</i>					
1022	154	STEEL, tinplates and tinned sheets, including tin tappers and cuttings of such plates, sheets or tappers	ton		Rs 60		
1030	230	IRON or Steel anchors and cables		<i>Ad valorem</i>	20 per cent	10 per cent	
1035	145	IRON or Steel bolts and nuts, including hook-bolts and nuts for roofing and fish bolts and nuts	cwt		Rs 2-13		
1036	236	IRON or STEEL expanded metal		<i>Ad valorem</i>	20 per cent	10 per cent	
1037	236	IRON or STEEL hoops and strips		<i>Ad valorem</i>	20 per cent	10 per cent	
1038	145A	IRON or STEEL rivets	cwt		Rs 2-8		
1039	236	IRON or STEEL nuts and washers, all sorts not otherwise specified		<i>Ad valorem</i>	20 per cent	10 per cent	
		Tariff values—					
		Nails, and washers—					
		Nails, rose, duck, and flat headed	cwt	12 8 0			
		Nails, bullock and horse shoe	"	38 0 0			
		Washers, black, structural	"	9 0 0			

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
1037	146	III—Articles wholly or mainly manufactured— <i>could</i>					
		METALS, IRON AND STEEL— <i>could</i>					
		IRON or STEEL pipes and tubes and fittings therefor, if riveted or otherwise built up of plates or sheets—	ton		Rs 41-4 or 21½ per cent <i>ad valorem</i> , whichever is higher		
		(a) galvanized* (b) not galvanized—	ton		Rs 26-4 or 21½ per cent <i>ad valorem</i> , whichever is higher		
		(i) not under ½ inch thick— of British manufacture	ton		Rs 26-4 or 21½ per cent <i>ad valorem</i> , whichever is higher, plus Rs 18-12 per ton		
		not of British manufacture	ton		Rs 18-12 or 21½ per cent <i>ad valorem</i> , whichever is higher		
		(ii) under ½ inch thick— of British manufacture	ton		Rs 48-12 or 21½ per cent <i>ad valorem</i> , whichever is higher, plus Rs 32-8 per ton		
		not of British manufacture	ton				

* Under Government of India, Commerce Department Notification No. 260 T (127), dated the 30th December 1930, as amended subsequently, and read with section 4 of the Indian Finance (Supplementary and Extending) Act, 1931, galvanized iron or steel pipes and tubes and fittings therefor, if riveted or otherwise built up of plates or sheets are liable to duty at Rs. 91-1 per ton or 21½ per cent *ad valorem*, whichever is higher, till the 31st March 1934.

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
1034	236	<p>III—Articles wholly or mainly manufactured—<i>could</i></p> <p>METALS, IRON AND STEEL—<i>could</i></p> <p>IRON or STEEL sheets (including cuttings, discs and circles) under $\frac{1}{4}$ inch thick, whether fabricated or not, if coated with metals other than tin or zinc</p> <p>IRON or STEEL sheets (including cuttings, discs and circles) under $\frac{1}{4}$ inch thick—</p> <p>(a) fabricated—</p> <p>(i) galvanized*</p> <p>(ii) all other sorts not otherwise specified (see Serial No 1034)—</p> <p>of British manufacture</p> <p>not of British manufacture</p> <p>(b) not fabricated, all sorts not otherwise specified—</p> <p>of British manufacture</p> <p>not of British manufacture</p>	ton	Ad valorem	20 per cent	10 per cent	
1037	148		ton		Rs 41 1 or 21 1 per cent ad valorem, whichever ever is higher		
			ton		Rs 48-12 or 21 1 per cent ad valorem, whichever ever is higher		
			ton		Rs 48-12 or 21 1 per cent ad valorem, which ever is higher, plus Rs 32 8 per ton		
			ton		Rs 43 12		
			ton		Rs 73 12		

* Under Government of India, Commerce Department Notification No 260-T (127), dated the 30th December 1930, as amended subsequently, and read with section 1 of the Indian Finance (Supplementary and Extending) Act, 1931, fabricated galvanized iron or steel sheets (including cuttings, discs and circles) under $\frac{1}{4}$ inch thick are liable to duty at Rs 91 1 per ton or 21 1 per cent ad valorem, whichever is higher, till the 31st March 1934

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
103n	148A	III—Articles wholly or mainly manufactured— <i>could</i> • METALS, IRON AND STEEL— <i>could</i> IRON or STEEL sheets (including cuttings, discs and circles) under $\frac{3}{8}$ inch thick, galvanized, not fabricated— of British manufacture— (i) if made from Indian sheet bar imported into the United Kingdom after the 23rd day of December, 1932 (ii) if made from sheet bar other than Indian sheet bar imported into the United Kingdom after the 23rd day of December, 1932 not of British manufacture	ton		Rs 30		
			ton		Rs 53		
			ton		Rs 83		
103n	150	IRON or STEEL Railway Track material— A Rails (including tramway rails the heads of which are not grooved)— (a) (i) 30 lbs per yard and over (ii) fish plates therefor (b) under 30 lbs per yard, and fish-plates therefor— if of British manufacture if not of British manufacture	ton		Rs 16-4		
			ton		Rs 7-8 or 12½ per cent <i>ad valorem</i> , whichever is higher		
			ton		Rs 32-8		
			ton		Rs 40 0		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
103 continued	150	III—Articles wholly or mainly manufactured— <i>could</i> WHEELS, IRON AND STEEL— <i>could</i> IRON or STEEL Railway Track material— <i>could</i> B Switches and crossings including stretcher bars and other component parts, and switches and crossings including stretcher bars and other component parts for tramway rails the heads of which are not grooved— (a) for rails 30 lbs per yard and over (u) for rails under 30 lbs per yard— of British manufacture not of British manufacture	ton ton ton		Rs 17 8 or 21½ per cent <i>ad valorem</i> , which ever is higher Rs 36 4 or 21½ per cent <i>ad valorem</i> , which ever is higher Rs 36 4 or 21½ per cent <i>ad valorem</i> , which ever is higher, plus Rs 15 per ton Rs 12 8 or 12½ per cent <i>ad valorem</i> , which ever is higher		
		C Sleepers, other than cast iron	ton				
		D Spikes (other than dog-pikes) and tie bars— of British manufacture not of British manufacture	ton ton				
		E Dog-pikes	cwt				
		F G-lbs, (others, keys, dist and pieces and other fastenings, for use with iron or steel sleepers	cwt				

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured—contd					
		METALS, IRON AND STEEL—contd					
103p	236	IRON or Steel Railway track materials not otherwise specified, including bearing plates, cast iron sleepers and lever boxes		<i>Ad valorem</i>	20 per cent	10 per cent	
103p	236	IRON or Steel Tramway track materials not otherwise specified, including rails, fish-plates, tie bars, switches, crossings and the like materials of shapes and sizes specially adapted for tramway tracks		<i>Ad valorem</i>	20 per cent	10 per cent	
103q	236	IRON or Steel barbed or stranded fencing wire and wire rope		<i>Ad valorem</i>	20 per cent	10 per cent	
103r	149	IRON or Steel— (a) wire, other than barbed or stranded fencing-wire, wire rope or wire netting, and (b) wire nails	ton		Rs 45		
103s	236	IRON or Steel (other than bar or rod) specially designed for the reinforcement of concrete		<i>Ad valorem</i>	20 per cent	10 per cent	
103t	149A	IRON or Steel, the original material (but not including machinery) of any ship or other vessel intended for inland or harbour navigation which has been assembled abroad taken to pieces and shipped for reassembly in India	ton		Rs 28-12 or 12½ per cent <i>ad valorem</i> , whichever ever is higher		
		Provided that articles dutiable under this item shall not be deemed to be dutiable under any other item					

Schedule II—(Import Tariff)—continued

Schedule II—(Import Tariff)—continued					
No in the Statutory Schedule	Serial No	Names of Articles	Per	Tariff values	Standard rate of duty
					The United Kingdom A British Colony
		III—Articles wholly or mainly manufactured— <i>contd.</i>			
		METALS, IRON AND STEEL— <i>concl'd</i>			
		ALL sorts of Iron and Steel manufactures thereof not otherwise specified *			
		<i>Tariff values—</i>			
		Iron and Steel cans or drums— kerosene	can	0 6 0	20 per cent
		When imported containing —			
		and motor spirit, namely —		1 8 0	
		tinned, of four gallons capacity		0 6 0	
		Cans or drums, not tinned, of two	can or drum	2 0 0	
		gallons capacity—	"	1 0 0	
		(a) with faucet caps	drum		
		(b) ordinary	"		
		(c) with faucet caps			
		Drams of four gallons capacity—			
		(a) ordinary			
		(b) ordinary			
		(c) ordinary			
		METALS, OTHER THAN IRON AND STEEL			
		CURRENT coin of the Government of India			
		GOLD bullion and coin and gold sheets and plates which have undergone no process of manufacture subsequent to rolling			
		GOLD PLATE, gold leaf, and gold manufactures, all sorts not otherwise specified			
		SILVER bullion and coin, not otherwise specified, and silver sheets and plates which have undergone no process of manufacture subsequent to rolling			
		SILVER plate, and silver manufactures, all sorts not otherwise specified			
		* Under Government of India, Finance Department (Central Revenues) Notification No 14, dated the 9th April 1932, crucible steel is liable to duty at the standard rate of 20 per cent <i>ad valorem</i> or the preferential rate of 10 per cent <i>ad valorem</i> as the case may be			
105	19				
106	20				
107	131				
107A	43BB				
108	132				

* Under Government duty at the star

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
111— contd	196	<p>III—Articles wholly or mainly manufactured—<i>contd</i></p> <p>METALS, OTHER THAN IRON AND STEEL—<i>contd</i></p> <p>Metal and manufactures thereof—<i>contd</i></p> <p><i>Tariff values—contd</i></p> <p>Brass, patent or yellow metal, sheets and sheathing, weighing 1 lb or above per square foot, and braziers, and plates</p> <p>Brass, patent or yellow metal, circles weighing 1 lb or above per square foot</p> <p>Copper, braziers, sheets, plates and sheathing</p> <p>Copper, circles</p> <p>Copper, foil or dangle, plain, white, 10 to 11 in × 4 to 5 in</p> <p>Copper, foil or dangle, plain, coloured, 10 to 11 in × 4 to 5 in</p> <p>ALL SORTS OF METALS OTHER THAN IRON AND STEEL, and manufactures thereof, not otherwise specified including unwrought ingots, blocks and bars of aluminium, scrap copper, and lead sheets for tea chests *</p> <p><i>Tariff values—</i></p> <p>Brass, patent or yellow metal (including gun metal) ingots</p> <p>Brass, patent or yellow metal (including gun metal), old</p> <p>Copper, old</p>	cwt " " " hundred leaves " cwt " "	Rs 1 p 26 0 0 30 0 0 30 0 0 35 0 0 1 2 0 1 2 0 <i>Ad valorem</i> 25 per cent 18 0 0 17 0 0 24 0 0			
111— A	98						

* Under Government of India, Finance Department (Central Revenues) Notification No 11, dated the 9th April 1932, radium is exempt from payment of import duty

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
111	98	<p>III—Articles wholly or mainly manufactured—contd</p> <p>• METALS, OTHER THAN IRON AND STEEL—<i>concl'd</i></p> <p>ALL SORTS OF METALS OTHER THAN IRON AND STEEL—<i>cont'd</i></p> <p><i>Tariff values—cont'd</i></p> <p>Copper, pigs, tiles, ingots, cakes, bricks, and slabs</p> <p>Lead, pig</p> <p>Quicksilver</p> <p>PAPER, PASTEBOARD AND STATIONERY</p>	cwt	26 8 0			
			lb	10 12 0			
				2 8 0			
112	197	<p>PAPER, INCLUDING CHROME, MARBLE, FLINT, POSTER AND STEREO PRINTING PAPER, ARTICLES made of paper and papier maché, pasteboard, mill-board and cardboard, all sorts other than strawboard, and stationery including drawing and copy books, labels, advertising circulars, sheet or card almanacs and calendars, Christmas, Easter, and other cards, including cards in booklet form, including also waste paper but excluding paper and stationery otherwise specified</p> <p><i>Tariff values—</i></p> <p>Packing and wrapping paper—</p> <p>Machine glazed pressings</p> <p>Manilla, machine glazed or unglazed, and sulphate envelope</p> <p>Kraft and imitation kraft</p>	lb	0 1 6	30 per cent	20 per cent	
			"	0 1 6			
			"	0 1 6			

Schedule II—(Import Tariff)—continued

Serial No.	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
113	155	III —Articles wholly or mainly manufactured—could PAPER, PASTEBBOARD AND SEMI-CELLULOSE—could PRINTING PAPER (excluding chrome marble, flint, poster and stereo), all sorts which contain no mechanical wood pulp or in which the mechanical wood pulp amounts to less than 70 per cent of the fibre content PRINTING PAPER, all sorts, not otherwise specified which contain mechanical wood pulp amounting to not less than 70 per cent of the fibre content, and Strawboards, all sorts, <i>Tariff values—</i> Printing paper, not on reels (excluding chrome marble, flint, poster and stereo) in which the mechanical wood pulp amounts to not less than 70 per cent of the fibre content, glazed or unglazed, white or grey c Strawboards, not lined WRITING PAPER— (a) Ruled or printed forms (including letter paper with printed headings) and account and manuscript books and the binding thereof (b) All other sorts	lb	Rs 1 p	One anna and three pice		
113 A	99			Id adorem	25 per cent		
114	156		cw	4 8 0	One anna and three pice or 15 per cent <i>ad valorem</i> whichever is higher		
115	21		lb		One anna and three pice		
116	21 A	TRADE CATALOGUES and advertising circulars imported by packet, book, or parcel post					
116 A	21 B	POSTAL STAMPS, whether used or unused					
		PAPER MONEY					

Schedule II—(Import Tariff)—continued.

Serial No	No in the Statutory Schedule	Name of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
117	63	<p>III—Articles wholly or mainly manufactured—contd</p> <p>RAILWAY PLANT AND ROLLING-STOCK</p> <p>RAILWAY MATERIALS for permanent-way and rolling stock, namely, sleepers, other than iron and steel, and fastenings therefor, bearing plates, chairs, interlocking apparatus, brake gear, shunting skids, couplings and springs, signals, turn tables, weigh-bridges, carriages, wagons, traversers, rail removers, scooters, trollies, trucks, also cranes, water cranes and water tanks when imported by or under the orders of a railway administration</p> <p>Provided that for the purpose of this entry 'railway' means a line of railway subject to the provisions of the Indian Railways Act, 1890, and includes a railway constructed in a State in India and also such tramways as the Governor-General in Council may, by notification in the <i>Gazette of India</i>, specifically include therein</p> <p>Provided also that articles of machinery as defined in Serial No 96 or No 99 shall not be deemed to be included hereunder</p> <p>COMPONENT PARTS OF RAILWAY MATERIALS, as defined in Serial No 117, namely, such parts only as are essential for the working of railways and have been given for that purpose some special shape or quality which would not be essential for their use for any other purpose</p> <p>Provided that articles which do not satisfy this condition shall also be deemed to be component parts of the railway material to which they belong, if they are essential to its operation and are imported with it in such quantities as may appear to the Collector of Customs to be reasonable</p>	.	<i>Ad valorem</i>	15½ per cent		
118	63A			<i>Ad valorem</i>	15½ per cent		

Schedule II—(Import Tariff)—continued

Schedule II—(Import Tariffs)— <i>continued</i>						Preferential rate of duty if the article is the produce or manufacture of—	
Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	The United Kingdom	A British Colony
III—Articles wholly or mainly manufactured— <i>confid</i>							
YARNS AND TEXTILE FABRICS							
ARTIFICIAL SILK YARN AND THREAD							
110	43c			<i>Ad valorem</i>	25 per cent or 3 annas per lb whichever is higher		
119	45	Artificial silk piece goods other than tents of not more than nine yards in length					
120	158	COTTON PIECE GOODS (other than tents of not more than nine yards in length)— (a) plain grey, that is, not bleached or dyed in the piece, if imported in pieces which either are without woven headings or contain any length of more than nine yards which is not divided by transverse woven headings— (i) of British manufacture		<i>Ad valorem</i>	50 per cent or four annas per square yard, whichever is higher		
		(ii) not of British manufacture*		<i>Ad valorem</i>	25 per cent or 1½ annas per pound, whichever is higher		
		(b) others— (i) of British manufacture (ii) not of British manufacture†		<i>Ad valorem</i>	31½ per cent or 1½ annas per pound, whichever is higher		
121	44	COTTON TWIST AND YARN, and cotton sewing or darning thread		<i>Ad valorem</i>	25 per cent		
				<i>Ad valorem</i>	31½ per cent		
				<i>Ad valorem</i>	61 per cent or 1½ annas per lb, whichever is higher		
121	108	HABERDASHERY AND MILLINERY, all sorts, including lace and embroidery, but excluding towels not in the piece and articles made of wool or of silk or artificial silk or of silk or artificial silk mixtures		<i>Ad valorem</i>	30 per cent		20 per cent

* Under Government of India, Commerce Department Notification No 341-T (8) 33, dated the 7th June 1933, cotton piece goods assessable under this sub head are liable to duty at 75 per cent *ad valorem* or 6½ annas per pound, whichever is higher.

† Under Government of India, Commerce Department Notification No 341-T (9) 33, dated the 7th June 1933, cotton piece goods assessable under this sub head are liable to duty at 75 per cent *ad valorem*.

Schedule II—(Import Tariff)—continued.

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured—<i>contd</i>					
		YARNS AND TEXTILE FABRICS—<i>contd</i>					
122	22	SECOYD-HAND or used gunny bags or cloth made of jute		Free			
122 A	238	WOOLLEN CARPETS, floor rugs, hosiery, piec-goods, shawls and other manufactures of wool, not otherwise specified, including felt †		Ad valorem	35 per cent	25 per cent	
122 B	199	WOOLLEN YARN for weaving and knitting wool		Ad valorem	30 per cent	20 per cent	
122 C	45B	YARN (excluding cotton yarn) such as is ordinarily used for the manufacture of belting for machinery		Ad valorem	6½ per cent		
123	100	YARNS AND TEXTILE FABRICS, that is to say — Cotton thread other than sewing or darn- ing thread Flax, twist and yarn Hemp manufactures Jute, twist and yarn, and jute excluding second-hand or used gunny bags or cloth Blankets and rugs (other than floor rugs), excluding blankets and rugs made wholly or mainly from artificial silk Fabrics not otherwise specified, contain- ing not more than 10 per cent silk or 10 per cent artificial silk or 10 per cent wool or 50 per cent cotton		Ad valorem	25 per cent		

† Under Government of India, Finance Department (Central Revenues) Notification No 14, dated the 9th April 1932, woollen waste and rags are exempt from payment of import duty

Schedule II—(Import Tariff)—continued.

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
124	100A	<p>III—Articles wholly or mainly manufactured—<i>contd</i></p> <p>YARNS AND TEXTILE FABRICS—<i>contd</i></p> <p>SILK or artificial silk goods used or required for medical purposes, namely—silk or artificial silk ligatures, elastic silk or artificial silk hosiery, elbow pieces, thigh pieces, knee caps, leggings, socks, anklets, stockings, suspensory bandages, silk or artificial silk, abdominal belts, silk or artificial silk, web catheter tubes, and oiled silk or artificial silk.</p>		<i>Ad valorem</i>	25 per cent		
125	45A	<p>SILK or artificial silk mixtures, that is to say—</p> <p>(a) fabrics composed in part of some other textile than silk or artificial silk and in which any portion either of the warp or of the weft but not of both is silk or artificial silk.</p> <p>(b) fabrics not being silk or artificial silk on which silk or artificial silk is superimposed such as embroidered fabrics,</p> <p>(c) articles made from such fabrics and not otherwise specified (see Serial No 124)</p> <p>Provided that the duty on tents of not more than 9 yards in length of fabrics specified in sub items (a) and (b) shall be 35 per cent <i>ad valorem</i></p> <p>N B—For tariff values under this item <i>see</i> those marked with an asterisk (*) under Serial No 126 below</p>		<p><i>Ad valorem</i></p> <p>35 per cent or 2 annas 3 pies per square yard whichever is higher</p> <p><i>Ad valorem</i></p> <p>35 per cent</p>			

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
26	133	<p>III—Articles wholly or mainly manufactured—could</p> <p>YARNS AND TEXTILE FABRICS—could</p> <p>MANUFACTURES OF SILK or artificial silk, not otherwise specified</p> <p><i>Tariff rates—</i></p> <p>Silk piece-goods (white or coloured, plain or figured, all lengths and all widths) and other manufactures of silk from Japan and China (including Hong-kong)—<i>Japan—</i></p> <p>Pai, all kinds, including Habutai, Tamu, Junken and Nankin, and including striped, printed, woven so called (<i>ie</i>, swivel weave-work or Khakho embroidered), embossed and pineapples but excluding all kinds of Shioji or Shin Pai Satins, Taffetas, and Kohokus, all kinds, including striped, printed, woven so called (<i>ie</i>, swivel weave work or Khakho embroidered), and embossed</p> <p>Fugi and Boseki—</p> <p>(a) Plain, coloured or printed, whether woven with silk stripes or silk flowers and all other kinds not falling under (b)</p> <p>(b) Woven so called (<i>ie</i>, swivel weave-work or Khakho embroidered in artificial silk or embellished with artificial silk)</p>	lb	Rs a p	50 per cent		
				Ad valorem			
				8 12 0			
				8 12 0			
				4 8 0			
				4 0 0			

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
126-continued	133	<p>III—Articles wholly or mainly manufactured—contd</p> <p>YARNS AND TEXTILE FABRICS—contd</p> <p>MANUFACTURES OF SILK, ETC.—contd</p> <p><i>Tariff values—contd</i></p> <p>Fancies—</p> <p>(a) Plain coloured or printed in cludag, Georgettes, Crepes, ninons, gauzes and Shoji or Shin Paj, whether woven with silk stripes or silk flowers, and all other kinds not falling under (b) but excluding silk embroidered piece goods</p> <p>(b) Woven so-called (<i>ie</i>, swivel weave work or Khakho embroidered in artificial silk or embellished with artificial silk), including Georgettes, Crepes, ninons, gauzes and Shoji or Shin Paj</p> <p>Spun crepe—</p> <p>(a) Kembo, striped and plain</p> <p>(b) All other kinds excluding Kembo</p> <p>Burmese scarves—</p> <p>(a) Paj or Habutai</p> <p>(b) Other kinds</p> <p>*Cotton and silk mixed satins, other than embroidered</p> <p>*Cotton and silk mixed Fugi and Boseki, all kinds</p> <p>Silk Fents</p>	Lb " " " " " " " " " " " "	Rs 13 0 0 11 8 0 0 0 0 8 0 0 31 0 0 38 0 0 3 8 0 3 0 0 3 8 0			

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
126 <i>contd</i>	133	<p>III—Articles wholly or mainly manufactured—<i>contd</i></p> <p>WARNS AND TEXTILE FABRICS—<i>concl'd</i></p> <p>MANUFACTURES OF SILK, ETC —<i>cont'd</i></p> <p><i>Tariff values—cont'd</i></p> <p><i>China (including Honglong but excluding Canton)—</i></p> <p>Corded, all kinds, excepting white cords</p> <p>Crepe, gauge, and paj, all kinds .</p> <p>Fugi and Boseki, all kinds .</p> <p>N B—The tariff values marked with an asterisk (*) are also applicable to silk mixtures under Serial No 125 above</p>	lb	<p>Rs a p</p> <p>2 12 0</p> <p>10 8 0</p> <p>4 8 0</p>			
127	53	MISCELLANEOUS		<i>Ad valorem</i>	2½ per cent		
128	23	<p>AEROPLANES, aeroplane parts, aeroplane engines, aeroplane engine parts and rubber tyres and tubes used exclusively for aeroplanes</p> <p>ART, the following works of —(1) statutory and pictures intended to be put up for the public benefit in a public place, and (2) memorials of a public character intended to be put up in a public place, including the materials used, or to be used in their construction, whether worked or not</p>			Free	...	
129	101	ART, works of, excluding those specified in Serial No 128 and Serial No 155		<i>Ad valorem</i>	25 per cent		
129 A	200	ASBESTOS MANUFACTURES, not otherwise specified		<i>Ad valorem</i>	30 per cent	20 per cent	
129 B	239	ASPHALT		<i>Ad valorem</i>	25 per cent		15 per cent

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
134		III —Articles wholly or mainly manufactured—contd		Rs a p			
		MISCELLANEOUS—contd					
		BANGLES, beads and false pearls		<i>Ad valorem</i>	50 per cent		
		<i>Tariff values—</i>					
		Celluloid bangles—	doz pairs	0 10 6			
		Celluloid, plain, flat, with border and without border and grooved but excluding double border and double grooved and those under $\frac{1}{4}$ inch ($\frac{1}{2}$ e, $\frac{2}{2}$ lines) width		0 2 6			
		Celluloid (rubber) rings excluding coils	"	0 2 0			
		Celluloid, zigzag, all colours	"				
		Glass bangles—					
		<i>China—</i>					
		Nimuchi and pasalai	100 pairs	2 0 0			
		Bracelet, jadi and fancy, all kinds	"	4 0 0			
		Rajawarakh, all kinds	"	5 8 0			
		<i>Japan—</i>					
		Reshmi or lustre, all colours—					
		Fancy (including all kinds of Vakil mel or zigzag but excluding hexagonal bangles)	doz pairs	0 1 3			
		Fancy hexagonal	"	0 0 9			
		All others	"	0 0 8			
		Hollow or tube, all colours	"	0 1 9			
		Sonerikada (golbala)—					
		Containing gold in their composition	"	0 12 0			
		All others	"	0 2 0			

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured—could					
		MISCELLANEOUS—could					
130	24	BOOKS PRINTED, including covers for printed books, maps, charts, and plans, proofs, music manuscripts, and illustrations specially made for binding in books		Ad valorem	30 per cent	20 per cent	
131	201	BRUSHES, all sorts		Ad valorem	25 per cent	20 per cent	
132	103	The following Building and Engineering materials, namely, bricks, chalk, lime and clay		Ad valorem	30 per cent	20 per cent	
132 A	202	Building and Engineering materials, all sorts not of iron, steel or wood not otherwise specified, including cement (excluding Portland cement other than white Portland cement), tiles other than glass tiles, and firebricks not being component parts of any article included in Serial No 99 or No 117		Ad valorem	30 per cent	20 per cent	
132 B	203	BUTTONS, metal		Ad valorem	25 per cent	15 per cent	
133	104	CANDLES		Ad valorem	25 per cent	15 per cent	
134	240	CINEMATOGRAPH FILMS not exposed		Ad valorem	37½ per cent		
135	134A	CINEMATOGRAPH FILMS, exposed <i>Tariff value—</i> Exposed standard positive films, new or used Feature films Other films	foot "	0 7 0 0 3 0			

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
142	24A	III—Articles wholly or mainly manufactured— <i>contd</i> • MISCELLANEOUS— <i>contd</i> LIGHT SHIPS		Rs a p	Free		
143	159	Matches, undipped splints and veneers— (a) Matches— (1) In boxes containing on the average not more than 100 matches (2) In boxes containing on the average more than 100 matches	gross of boxes For every 25 matches or fraction thereof in each box, per gross of boxes lb		Rs 1-11 Seven annas and six ples		
		(b) Undipped Splints such as are ordinarily used for match making	lb		Five annas and seven and half ples Seven annas and six ples		
144	108	Veneers such as are ordinarily used for making boxes, including boxes and parts of boxes made of such veneers	lb	Ad valorem	25 per cent		
145	108A	MATS AND MATTINGS not otherwise specified NEWSPAPERS, old, in bales and bags		Ad valorem	25 per cent		
		<i>Tariff value—</i> Old newspapers in bales and bags	cwt	3 11 0			
146	109	OILCAKES		Ad valorem	25 per cent		
147	208	OIL CLOTH AND FLOOR CLOTH		Ad valorem	30 per cent		20 per cent

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
148	209	III —Articles wholly or mainly manufactured— <i>could</i> MISCELLANEOUS— <i>could</i> PACKING—Engine and Boiler—all sorts not otherwise specified		Rs 2 p	30 per cent	20 per cent	
149	112	PERFUMERY, not otherwise specified <i>Tariff values—</i> Gowl, husked and unhusked Kapurkachi (zedoary) Patch leaves (pitchouli) Rose flowers, dried	cwt " " "	<i>Ad valorem</i> 58 0 0 18 0 0 17 0 0 17 4 0 <i>Ad valorem</i>	25 per cent		
150	113	PITCH and tar <i>Tariff values—</i> Coal pitch Stockholm pitch	cwt "	2 8 0 14 0 0 <i>Ad valorem</i>	25 per cent		
151	114	POLISHES and compositions		<i>Ad valorem</i>	25 per cent		
152	241	PORTLAND CEMENT excluding white Portland cement	ton		Rs 18 4	Rs 13 12	
153	46D	PRINTERS' ink		<i>Ad valorem</i>	10 per cent		
53 A	46	PRINTING Type	lb		One anna and three pies		
154	54	The following printing material, namely, leads, brass rules, wooden and metal quoins, shooting sticks and galleys and metal furniture		<i>Ad valorem</i>	2½ per cent		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		<p>III—Articles wholly or mainly manufactured—<i>contd</i></p> <p>MISCELLANEOUS—<i>contd</i></p>					
155	138	PRINTS, Engravings and Pictures (including photographs and picture post cards), not otherwise specified *		<i>Ad valorem</i>	50 per cent		
156	55	RACKS for the withering of tea leaf		<i>Ad valorem</i>	2½ per cent		
157	24B	ROVES, cotton			1 ree		
158	210	RUBBER TYRES and tubes and other manufactures of rubber not otherwise specified, excluding apparel and boots and shoes		<i>Ad valorem</i>	30 per cent	20 per cent	
		<i>Tariff values—</i>					
		Cycle tyres from Japan and the Far East	dozen	10 8 0			
		Cycle tubes from Japan and the Far East		2 8 0			
159	64	SHIPS and other vessels for inland and harbour navigation including steamers, launches, boats and barges imported entire or in sections		<i>Ad valorem</i>	15½ per cent		
		Provided that articles of machinery as defined in Serial No 96 or No 99 shall, when separately imported, not be deemed to be included hereunder					
159 A	115	SLATE PENCILS		<i>Ad valorem</i>	25 per cent		

Schedule II—(Import Tariff)—continued

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
		III—Articles wholly or mainly manufactured—could		Rs and p			
		MISCELLANEOUS—could					
160	243	SMOKERS' requisites excluding tobacco and matches		<i>Ad valorem</i>	50 per cent	10 per cent	
161	116	SOAP		<i>Ad valorem</i>	25 per cent		
161 A	242	SOAP, toilet		<i>Ad valorem</i>	35 per cent	25 per cent	
162	240	STARCH AND FARINA			Free		
162 A	24D	STONE PREPARED AS FOR ROAD METALLING			Free		
163	118	STONE AND MARBLE, and articles made of stone and marble but excluding stone prepared as for road metalling		<i>Ad valorem</i>	25 per cent		
163 A	119	TEA CHESTS and parts and fittings thereof		<i>Ad valorem</i>	25 per cent		
164	211	TOILET requisites not otherwise specified		<i>Ad valorem</i>	30 per cent	20 per cent	
165	244	TOYS, GAMES, PLAYING CARDS and requisites for games and sports, birdshot, toy cannons, air guns and air pistols for the time being excluded in any part of British India, from the operation of all the prohibitions and directions contained in the Indian Arms Act, 1878, and bows and arrows		<i>Ad valorem</i>	30 per cent	10 per cent	
		<i>Tariff value—</i>					
		Birdshot	cwt	25 0 0			

Schedule II—(Import Tariff)—concluded

Serial No	No in the Statutory Schedule	Names of Articles	Per	Tariff Values	Standard rate of duty	Preferential rate of duty if the article is the produce or manufacture of—	
						The United Kingdom	A British Colony
169 B 170	25B 26	IV—Miscellaneous and Unclassified— <i>concl'd</i> PLANTS, living, all sorts SPECIMENS, Models and Wall Diagrams, illustrative of natural science, and medals and antique coins *		Rs 1 p	Free Free		
171	212	Umbrellas including parasols and sunshades, and fittings therefor <i>Tariff values—</i> Umbrellas ribs other than netherled, brassed, fluted or metal tipped— Solid Flexus, all sizes— From Japan From other countries Solids, 23, 25 and 27 inches— From Japan From other countries Solids, 16, 19 and 21 inches— From Japan From other countries	dozen sets of 8 " dozen sets of 12 " dozen sets of 8 "	<i>Ad valorem</i> 1 2 0 2 1 0 1 5 0 2 10 0 0 12 0 1 4 0 <i>Ad valorem</i>	30 per cent 20 per cent 25 per cent		
172	123	ALL OTHER ARTICLES not otherwise specified, including articles imported by post					

* Under Government of India, Finance Department (Central Revenue) Notification No 14, dated the 29th April 1932, wall pictures and diagrams such as are ordinarily used for instructional purposes are also exempt from payment of import duty.

Finance.

The gradual evolution of the present financial organisation of India is in many respects a reflection of her constitutional development. Those who take a broad view of the history of Federal States—and by whatever name it may be called India must in its political structure be a Federal State—nothing is more impressive than the ebb and flow in what may be called the adjustment of Federal and State rights. There is a constant mutation in the powers of the central government and the federal components, though in India we use the terms "Government of India" and "Provincial Governments" to describe them. In the earliest days of British rule, the Provinces, and especially the older Presidencies, were for all practical purposes independent of the central government and responsible only to the authority sitting in London. After the middle of the nineteenth century the process was reversed, and the Government of India was all-powerful, controlling the Provinces down to the smallest items of their expenditure. This centralisation reached its highest point during the long Viceroyalty of Lord Curzon, who was so jealous of his supreme authority that he sought to deprive the Presidency Governors of their right to correspond direct with the Secretary of State for India. This system was found too heavy in the days of his successors, and a continuous process of devolution set in. In the matter of finance the measures took the form of long-term "contracts" with the Provincial Governments, and later in the assignment of definite heads of revenue to the Provincial Governments, thus removing the dual authority and responsibility which had clogged progress. A much clearer cut was made when the great reform scheme embodied in the Government of India Act of 1919 was passed. Here, for all practical reasons, Provincial finance was entirely separated from the finances of the Government of India, and with one reservation the Local Governments were made masters in their own financial houses. The reservation arose from the circumstance that the funds of the Government of India did not then permit them to do entirely without contributions from the Provinces. These contributions were fixed in the shape of definite sums, which the Provincial Governments had to find from their own resources and pay to the Government of India in cash. They varied between Province and Province, on a scale which at first sight seemed inequitable, but which had a definite logical basis. The total of these contributions was a little less than ten crores of rupees. This was admittedly a temporary expedient, to last only so long as was necessary for the Government of India to reduce its post-war expenditure and develop its revenues to the point when they would balance without drawing from the Provinces. They were an open sore, each Province claiming that it paid an undue proportion of the total contribution, and that it was starved in consequence. There was no possibility of adjusting these differences, so the contributions were reduced as fast as the finances of the Government of India permitted. They finally disappeared from the Budget in 1928-29.

But this did not end the discussion. Indeed it was only the first phase. A large issue remains, and despite the extinction of the Provincial contributions the finances of some of the Provinces are in an unsatisfactory state. Broadly the issue may be put in this way. The Government of India has taken the growing heads of revenue those which issue from taxes on income and customs. The Provinces are left with resources which are either almost static, like land revenue, or which are actually declining, as with excise where steps are being taken to reduce the consumption of alcoholic liquor in response to the strong Indian sentiment towards prohibition. At the same time the Provinces are confronted with the great growing sources of expenditure, like those on education and sanitation which bulk largely in Provincial budgets. The burden is heaviest in the industrial provinces, such as Bombay and Bengal. The standard of living is high, wages and costs are a good deal above those of the agricultural provinces. This means an expensive administration. On the other hand the industrial progress which induces this costlier administration pours all its taxable product into the coffers of the Government of India. Rules made to give Bombay and Bengal some share in the Income Tax receipts have been inoperative in practice. Whilst therefore relief is felt at the abolition of the Provincial Contributions under the 1919 settlement, it is felt that this does not go far enough, and there is still this pressure for some share in the revenues from the taxes on income which, it is believed, alone can put the industrial Provinces on a satisfactory basis.

A Review

The financial organisation was, of course, reviewed as part of the work of the Round Table Conference. A sub-committee of the Federal Structure Committee was appointed under the chairmanship of Lord Peel to examine the question of federal finance and the principles embodied in the sub-committee's report were endorsed by the parent Committee as a suitable basis. A Federal Finance Committee with Lord Eustace Percy as Chairman was appointed at the end of 1931 to subject to the test of figures, the suggested classification of revenues by the Peel Committee and to estimate the probable financial position of the Federal and of the Provincial Governments under the proposed scheme. In the course of their report the Federal Finance Committee said that the transfer to the Provinces of taxes on income though defensible in principle would leave the Centre in deficit. Therefore the Peel Committee suggested a method of transferring to each Province a percentage of the share of income tax estimated to be attributable to it. But in view of the incomplete data on which the estimates were made a special review is said to be necessary at the time federation is established in order to fix the initial percentages. A strict allocation on a percentage basis would still leave some Provinces in deficit and so as to right their finances the committee suggested spreading the charge over the other Provinces by giving them back less in income tax than they were entitled to.

Regarding possible new sources of revenue, Federal or Provincial the Federal Finance Committee reported is follows —

Federal

Excise on Tobacco—The present position in regard to this tax appears to be that a substantial revenue may be expected from a system of vend licenses and fees, but that an excise duty imposed in the near future could not be relied on to yield a substantial revenue. There is general agreement that such a duty could not be imposed on the cultivator, and it is doubtful whether a duty on the manufactured product could be successful while manufacture continues to be so largely carried on in small establishments and even as a domestic industry. Vend licenses and fees can obviously be imposed only by the Governments of the Units and their imposition by the Provincial Governments is now being encouraged by the Government of India. The difficulties in the way of a federal excise may be overcome in course of time, but it would be unsafe for us to rely on this in the near future.

Excise on Matches—The imposition of an excise duty on matches is already under active consideration, and we feel justified in contemplating the existence of such a duty from the outset of federation. We are advised that the probable net yield of the tax for all India at a reasonable rate, with due allowance for reduced consumption, would be about 3 crores, of which at least 2.50 crores would be raised in British India.

Other Excises—It is possible that other excise duties may occupy an important place in the fiscal Policy of India in the future, but we do not feel warranted in relying upon the introduction of such measures in the early years of federation.

Monopolies—We have examined the suggestion, made at the Round Table Conference, that federal revenues should be augmented by a few selected monopolies. From the fiscal point of view it is only in very special circumstances that a monopoly, whether of production, manufacture or sale, is to be preferred to an excise duty as a means of raising revenue. Except in so far as the proposals already noticed in regard to tobacco may be regarded as a monopoly, we can suggest no new commodity to which the monopoly method could be applied with advantage. The manufacture of arms and explosives, which has been suggested as a possible monopoly, is already subject to license. Public utility monopolies stand on rather a different footing, but the only new federal monopoly of this kind that has been suggested to us is broadcasting, the revenue from which must be entirely problematical.

Commercial Stamps—In the Peel Report it was observed that "There is much to be said for federalising Commercial Stamps on the lines of various proposals made in the past, but no definite recommendation was made. We have examined this suggestion, but on the whole we cannot recommend it, at least as an immediate measure.

The yield of certain stamp duties which might be placed in this category was, in 1930-31, slightly more than one crore. This was a

sub normal year, and the normal yield should be somewhat higher. In 1929-31 about 40 per cent of the yield was received by Bombay (one eighth of this being attributable to Sind), 27 per cent by Bengal and 12 per cent by Madras. The loss of revenue resulting from the federalisation of these duties would therefore be unevenly distributed and their federalisation would not ease the problem of distributing income tax.

Further, there are obvious difficulties in the way of separating stamp duties into two classes, commercial and non-commercial. It could only be done by means of a schedule and a large element of purely arbitrary selection would be involved. The simple constitutional solution would be to class all stamp duties as provincial sources of revenue.

We have given some attention to the question, considered by the Federal Structure Committee, whether the Provincial Governments should be given power also to fix the rates of duty on all stamps, or whether legislation on this subject should be reserved, wholly or partially, to the Federal Government. We suggest that the Federal Government should retain the power to legislate on behalf of the Provinces in regard to those stamp duties which are the subject of legislation by the Central Government at the date of federation. The duties which are now the subject of central legislation are those on acknowledgments, bills of exchange, share certificates, cheques (not now dutiable), delivery orders in respect of goods, letters of allotment of shares, letters of credit, insurance policies, promissory notes, proxies, receipts and shipping orders. We understand that proposals have been under consideration for adding other duties to this list, and would suggest that, if any such additions are contemplated, that should be made before the establishment of the Federation.

We ought to add, in this connection, that difficulties already arise in estimating the share of each Province in the proceeds from the sale of postage stamps for use on taxed documents, and these difficulties may be expected to lead to considerable friction with the Provincial Governments unless a more satisfactory system can be devised.

Finally, in proposing that the proceeds of commercial stamps should be assigned to the Units, we have to some extent been influenced by a doubt whether the problems arising from the imposition of federal stamp duties in the States might not be disproportionate to the revenue involved. We do not, however, wish to prejudge the possibility that, as part of the general federation settlement with the States, it might be found desirable to include these duties among the sources of federal revenue. This consideration might well outweigh the reasons which have led us to recommend that commercial stamps should not be made a source of federal revenue.

Corporation Tax—From the financial point of view, it seems clear that, if a corporation tax were imposed on companies registered in the States on the same basis as the present super tax on companies in British India, the yield at present would be negligible.

Provincial

Taxation of Tobacco—We have already dealt briefly with this question and have suggested that the taxation of tobacco, otherwise than by excise on production or manufacture, should rest with the Units, but that the Federal Government should be given the right to impose a general federal excise. This distinction is, we think, justified by the fact that *ex hypothesi* the introduction of excise duties on manufacture will be difficult, if not impossible, until manufacture becomes more highly industrialised, and as that development takes place an excise levied at the factory by one Unit of the Federation would be a tax on consumers in other Units. It will be seen from our later proposals in regard to powers of taxation that the federalisation of tobacco excise would not preclude the Federal Government from assigning the proceeds to the Units, if it so desired.

There is, unfortunately, no material which would enable us to estimate the yield of any of these forms of taxation. The provincial taxes will take some time to mature, but eventually they may be expected to form at least a very useful additional source of provincial revenue.

Succession Duties—Bombay is, we believe, the only Provincial Government which has attempted legislation for the imposition of succession duties, and the attempt was unsuccessful. We understand that even that Government would have preferred that legislation should have been undertaken by the Government of India. We propose elsewhere that succession duties should be classed among taxes leviable by the Federal Government for the benefit of the Units, but clearly the facts would not justify reliance on them as a source of revenue in the near future.

Terminal Taxes—We have been asked to weigh the issues which arise from the proposal to introduce terminal taxes generally as an additional source of revenue for the Provinces. As the arguments for and against this proposal have been so fully set forth in previous reports, it scarcely seems necessary to restate them here. The feature of such taxation which has impressed us most seriously is its operation as, in effect, a surcharge on railway freights. Where municipal octrois are in force, there appears to be a tendency to substitute for the general levy of duties on all goods entering the municipal boundaries the simpler alternative of a terminal tax collected at the railway station, and there is already a danger that this habit may result in diversion of traffic to the roads. We therefore recommend that, if terminal taxes are to be regarded as a permanent part of the financial structure, they should be imposed by the Federal Legislature for the benefit of the Units. Such terminal taxes as are already in existence (mainly as municipal taxes) will fall into much the same category as other taxes classed as federal which, at the time of federation, are being levied by certain Units, but though it may be necessary for this reason to authorise the municipalities and Provinces concerned to continue to raise these taxes, they should be allowed to do so only within limits laid down by the Federal Legislature. Assam and Bihar

and Orissa are the two Provinces which, having few or no municipal taxes of the kind at present, are most desirous of deriving provincial revenue from this source. While we do not rule out the possibility of terminal taxes in these two Provinces and elsewhere as a temporary expedient, in view of the practice which has grown up in various parts of India, we are not prepared to regard terminal taxes as a normal source of revenue.

Taxation of Agricultural Incomes—We have not considered the broad issues of policy involved in the taxation of agricultural incomes, but we have considered, as we were commissioned to do the more limited question of "the possibility of empowering individual Provinces, if they so desire, to raise, or appropriate the proceeds of a tax on agricultural incomes." In view of the close connection between this subject and land revenue, we agree that the right to impose such taxation should rest with the Provinces. For the same reason, we think that this right should be restricted to the taxation of income originating in the Province concerned. There will presumably be no difficulty in drifting into the constitution a definition of agricultural income which has so long been recognised in Indian income tax law and practice.

We are not prepared to express a final opinion as to whether agricultural and non agricultural income should be aggregated for the purpose of determining the right of the assessee to exemption and the rate of taxation to which he is liable on either section of his income, and we doubt whether any provision need be inserted in the constitution on this point since we are advised that, in practice, it would scarcely be possible for either the Federal or a Provincial Government to take into consideration income not liable to taxation by it, except with the consent and co operation of the other Government.

We are aware of no reliable data for estimating the yield of such taxation.

Conclusion—In this survey of possible sources of additional revenue, we have deliberately left out of account the question whether or to what extent it would be possible to increase the yield of existing taxes. We have confined ourselves to an examination of new sources, and in this field the results of our survey are not encouraging. We have found that such provincial taxes as appear to be within the sphere of practical politics in the immediate future cannot be relied on to yield any substantial early additions to provincial revenues. In using the phrase "practical politics," we are not, of course, expressing an opinion as to whether this or that tax ought or ought not to be imposed, or even as to whether it is or is not likely to be imposed by the legislatures of autonomous Provinces when these are constituted. We are only noting the fact that the opposition to certain forms of taxation, or the difficulty of their imposition, is still so great that they are not likely to be adopted soon enough to influence the financial situation at the time when the Federation comes into being. In the federal sphere, the excise on matches is the only tax which we feel justified in taking into account as an immediate reinforcement of federal revenues.

Railway Finance.—The year 1924-25 was marked by a step of great importance in the better organisation of Indian finance. As is explained in detail under the section Railways (q r) the Government of India is a great railway owner. It owns and operates itself a very large proportion of the railway system through what are called State Railways: it is the principal shareholder in other lines which are leased to Companies which operate them. Prior to the year in question, the railway finances were incorporated in the general finances of the country. The effects of this were unfortunate. As the finances of a State are not managed on commercial lines, the railways were not conducted on commercial principles. Then the annual allotments to railway expenditure were not determined by the needs of the railways themselves, but by the amount at the disposal of the Government of India. The evil effects of this policy were forcibly exposed in the report of a strong committee of investigation, usually called after the name of its chairman, the Acworth Committee, which recommended the entire separation of the Railway Budget from the general finances. Some cash was incurred in giving

effect to this recommendation, but it was carried out in the year 1924-25. The basis of the settlement was complete separation of finance, a definite annual contribution from the railway revenues to the general revenues, and the creation of a Standing Finance Committee of the Legislative Assembly to review estimates of railway expenditure before they are placed before the Assembly. The railway contribution was settled on the basis of one per cent. on the capital at charge, plus one-fifth of the surplus profit: further, if after the payment of the contribution, so fixed, the amount available for transfer to Railway Reserve exceeds the sum of Rs. 3 crore, one-third of the excess should be paid to the General Revenues. The effects of this change are expected to yield to the General Revenues a fixed contribution from the railway property, instead of a varying figure destructive of accurate budgeting, and to give to the railways the benefit of their operation and secure management and development on commercial principles.

In the past few years, owing to the economic depression, the railways have been unable to make the contribution to general revenues

I RECENT INDIAN FINANCE

The year 1924 marked a distinct and very important stage in the finances of India. Those who have studied the history of Indian finance will remember the general trend of the country's balance sheet. Up to the outbreak of the war it was a record of very careful finance, with a general surplus of revenue over expenditure, all such surpluses, save when they were in the nature of 'windfalls' going to the avoidance of debt. Throughout the war the finances were carefully handled and with certain moderate increases in taxation the accounts were made to balance. But commencing in 1919 a lamentable change came over the situation. The wanton invasion of India by Afghanistan meant a war which cost the exchequer directly some 24 crores of rupees. Nor was this all. Whilst the military resistance of Afghanistan to the Indian forces was contemptible, and Kabul lay open to capture if it had been thought worth while to occupy it, the effect of this attack was to set a large part of the North-West Frontier ablaze and to thrust on the Government of India a series of costly expeditions. When these were concluded, there remained the necessity of establishing a new Frontier system to take the place of that which collapsed in 1919. This especially in the notorious troublesome country of Waziristan (c r Frontier) involved the occupation of certain dominating posts and of connecting them with each other and with the advanced military stations of India by a series of very expensive roads. This colossal expenditure dislocated the financial equilibrium of the whole country. Nor is it possible to acquire the Finance Department of the Government of India in the difficult post-war period of a relaxation of that close control of expenditure which in previous years had balanced the accounts, even in the years of famine and plague. The result was that the accumulated deficits of the Government of India reached the very high figure of Rs 100 crores. This led to two results:

Retrenchment and Taxation.—Owing to the insistent demand for retrenchment the Government of India appointed in 1922 a retrenchment committee, on the model of the Geddes Committee which overhauled the extravagant post-war expenditure of the British Government. This committee is generally called after its chairman, the Inchauspé Committee. It sat in 1923, and presented a report which recommended reductions in expenditure which amounted in the aggregate to Rs 18 crores.

Financial equilibrium was established and a surplus realised in the Budget of 1923-24.

Statement comparing the actual Revenue and Expenditure of the Central Government since 1921-22.

Year	In lakhs of Rupees.		
	Revenue.	Expenditure.	Surplus (—) Deficit (—)
1921-22 ..	1,15,21	1,38,40	—27,65
1922-23 ..	1,21,41	1,31,88	—15,02
1923-24 ..	1,23,17	1,27,16	+ 2,39
1924-25 ..	1,33,04	1,28,58	+ 5,65
1925-26 ..	1,33,33	1,25,05	+ 8,31
1926-27 ..	1,31,70	1,23,77	(a)
1927-28 ..	1,25,04	1,22,22	(a)
1928-29 ..	1,23,24	1,23,88	—32
1929-30 ..	1,32,63	1,26,58	—27
1930-31 ..	1,24,60	1,30,04	—11,58
1931-32 ..	1,21,64	1,26,59	—11,75
1932-33 ..	1,25,40	1,18,01	+ 1,55
1933-34 ..	1,19,31	1,15,92	(b)
(Revised)			
1934-35 ..	1,21,43	1,15,10	—14
(Budget)			

(a) Whole surplus placed to provision for reduction or avoidance of debt.

(b) Surplus to Earthquake Fund.

II. THE PRESENT FINANCIAL POSITION

India, in common with other countries of the world, felt the full force of the economic blizzard which began in 1930 and attained its maximum the following year. The net result from the Government of India's point of view was the introduction during 1931 of two Budgets, the ordinary Budget in the spring of the year and a supplementary Budget containing fresh taxation proposals in September. When Sir George Schuster faced the Legislative Assembly at the end of February, he had a sorry tale to tell. Trade depression, coupled with civil disobedience movement, had completely vitiated the estimates made for 1930-31. These estimates showed a surplus of Rs 86 lakhs; the revised estimates worked upto a deficit of Rs 13 56 crores, which the Finance Member said would remain uncovered and would be added to the unproductive debt. The main items of deterioration as compared with the Budget can be summarised as follows —

	Lakhs
Important revenue heads, viz, Customs, Taxes on Income, Salt and Opium (net)	12,10
Posts and Telegraphs (including the Indo-European Telegraph Department)	89
Finance headings, viz, Debt services, Currency and Mint	1,38
Other heads	5,
Total Rs	14,42

Turning to the estimates for 1931-32, the Finance Member said they must face a fall in tax revenue, as compared with the current Budget estimates, of no less than Rs 13 16 crores, including a drop of Rs 8 crores in Customs and 4½ crores in income tax. The total deterioration under Finance headings was Rs 376 lakhs and on commercial departments Rs 118 lakhs. This meant a total deterioration of Rs 18 10 crores as compared with the Budget estimates for the current year, and as those provided for a surplus of Rs 86 lakhs the net deficit would be Rs 17 24 crores. To meet this deficit the Finance Member announced a cut of Rs 175 lakhs in army expenditure and retrenchment to the extent of Rs 98 lakhs in civil expenditure, making a total saving of Rs 273 lakhs. The estimated deficit was reduced thereby to Rs 14 51 crores, which he proposed to cover by fresh taxation.

New Taxation Proposals—His proposals were grouped under two heads, Customs and Income Tax. Referring to the first the Finance

Member said "The heads in respect of which I propose alterations of the substantive tariff itself, are liquors, sugar, silver bullion, betelnuts, spices and exposed cinematograph films. The liquor duties are to be enhanced appreciably, the duty on beer and the like is at present undoubtedly low relatively to those on other alcoholic beverages and will be raised by about 66 per cent above the present level, while those on wines and spirits (except denatured spirit and spirit used in drugs and medicines) will be raised by between 30 and 40 per cent. The duty on silver bullion I propose to increase from 4 to 6 annas per ounce. The other items mentioned will be transferred from the general rate of duty (now 15 per cent *ad valorem*) to the "luxury" rate at 30 per cent. Of the surcharges, we have at a stroke added to the 10 per cent schedule a surcharge of 2½ per cent, to the general or 15 per cent schedule one of 5 per cent, and to the "luxury" or 30 per cent schedule one of 10 per cent. By far the most important of these surcharges is that 5 per cent on the general revenue schedule of 15 per cent, and connected with this, I must mention a feature of particular importance. We propose for this purpose to treat the basic duty of 15 per cent on cotton piece goods on the same lines as the general 15 per cent schedule and to place the surcharge of 5 per cent on these goods also. The surcharge on the 15 per cent schedule is expected to yield 90 lakhs for cotton piece goods and 2,63 lakhs for other goods. Coming now to the schedule of non-protective special duties, here we have made additions appropriate to the general scheme, and I need only mention specially the surcharges that I propose to levy upon kerosene and motor spirit. Both customs and excise duty on kerosene are to be raised by 9 pies per gallon, while motor spirit is to bear a surcharge of 2 annas per gallon. Finally, I must explain my proposals as regards sugar. The position is special, because, while I am now proposing an increase in the duty for revenue purposes, we had received, just when my budget proposals were on the point of completion, the recommendations of the Tariff Board for the protection of sugar. Summarised, the Board's recommendations are —(1) a basic duty of Rs 6-4-0 per cwt on all classes of sugar, including sugar candy, to be imposed for 15 years, (2) an additional duty of Re 1 per cwt on all classes of sugar to be imposed for the first 7 years, (3) power to be taken to add 8 annas per cwt to the duty at any time if the landed price of sugar at Calcutta ex-duty falls below Rs 4 per maund, (4) no protective duty on molasses. My own proposals for revenue purposes had been very close to this, for I had actually contemplated an extra duty round about Re 1 to Rs 1-8-0 per cwt. What I have now included is an increase of Rs 1-4-0 per cwt. on all grades of sugar. This, as I have said, must be regarded purely as a revenue

measure pending consideration of the Tariff Board's recommendations. The combined effect of all these proposals as regards Custom duties will be to produce an additional revenue next year of 9.32 crores. We shall also obtain about 50 lakhs more from the increased import duties on galvanized pipes and sheets which the House discussed on 28th January last. This will raise the additional yield to 9.82 crores. Incidentally, the new duties, which will operate from 1st March, and the increased duties on galvanized pipes and sheets, which came into force on 30th December, will add to our revenue for the current year a sum estimated at 88 lakhs, thus reducing the current year's deficit to 12.68 crores."

Increased Income Tax—Dealing with his proposed new tax on incomes, the Finance Member said: "The taxable minimum income for income tax—Rs 2,000—will not be lowered. The rate of tax on the lowest zone up to Rs 4,999 will be raised by 4 pies. The rates on higher grades up to Rs 39,999 will be raised in some cases by 5 pies, in some cases by 6 pies, and in the highest of these grades by 7 pies. At present the highest rate is reached at Rs 40,000. It is now 14 pies. I propose a rate of 25 pies on incomes from Rs 40,000 to Rs 99,999, and a maximum rate of 26 pies on incomes of Rs 1 lakh and over. The estimated yield of these increases is 5.07 lakhs gross or, deducting 53 lakhs on account of increased refunds, 4.54 lakhs net. In addition to this, I propose certain changes as regards super-tax. At present all assesses except Hindu undivided families are allowed a deduction of Rs 50,000 in computing the income liable to super-tax. This will be lowered to Rs 30,000 except for Hindu undivided families and companies, which will be allowed, as at present, a deduction of Rs 75,000 and Rs 50,000 respectively. In the new zone, Rs 30,001 to Rs 50,000 the super-tax rate will be 9 pies. Above Rs 50,000 the graduated scales will be increased by 2 pies throughout. The flat rate for companies will be 1 anna as at present. These changes will yield, it is estimated, 46 lakhs. Thus the total estimated additional net revenue from taxes on income will be 5 crores. Briefly they will add an extra charge of about 2 to 5 per cent on all incomes. The rates of additional tax have been so adjusted as to produce, in the final result, an evenly graduated scale of burden increasing as the income increases, and this object must be borne in mind in interpreting our proposals. The total yield from the proposed changes in Customs duties and taxes on income thus amounts to Rs 14.82 crores, as against which the gap to be filled is Rs 14.51 crores, so that I am left with a small surplus of Rs 31 lakhs."

Silver Duty—Referring to silver, the Finance Member said:—"It is necessary for me to make a special reference to the proposed increase in the tax on silver because this has a general bearing on the whole question of our policy in relation to silver and its effect on the world position. The increase of two annas an ounce which we are proposing is estimated to produce 75 lakhs from the import duty and 7 lakhs from the excise or 82 lakhs in all. In itself it is a clearly justifiable form of raising

revenue as part of the general plan designed to meet the situation which confronts us this year. The only possible objection to it might be based on broad grounds, that is to say, on a fear that it might tend to check consumption of silver in India and thus further weaken the price of silver to the disadvantage not only of India but of the whole world. We have given the fullest weight to this consideration, but with the very moderate increase in the duty which we now propose we do not think that the fear is justified. Similar apprehensions were expressed in certain quarters last year when we imposed the duty of 4 annas. But although this weakened the price for a few days, the market almost immediately recovered, and in spite of the duty and of the great decline of India's purchasing power, the consumption of silver in the current year is keeping up to the normal level. In fact, we anticipate a consumption, taking all sources of supply into account, of between 100 and 110 million ounces. India's consumption should not therefore this year be seriously affected by the increased duty, while, as regards helping to maintain the price of silver, we are prepared to consider action in other ways. I announced in my budget speech last year that the Government of India would be prepared to co-operate with other silver interests if any practical scheme could be devised for controlling the production of new silver and the sale of and new existing stocks. Unfortunately, the only response to my offer has been on the lines indicated in certain utterances which have appeared in the press by representatives of the main producing interests in America. In general, these gentlemen propose that their own production of new silver should remain unrestricted, but that Governments and others who hold large stocks of silver should refrain from realising their holdings, and leave the world's markets free for the new production. Now whatever criticisms non-official members in this House may have made in the past on our policy of selling silver, I am sure that they would not expect the Government of India to part with the country's rights by acceding to any such one-sided arrangement. The demand that the Government of India should refrain from selling is, indeed, an astonishing proposition when the facts are studied. For, in fact, the whole world depends on India as a consumer. In the five years ending March 31, 1930, India absorbed about 540 million ounces of silver or 108 million ounces per annum. According to present indications, her absorption, even in the current year, will be up to this average, so that the total absorption in 6 years will be about 650 million ounces. As against this, the Government of India have sold out of their own holdings a total of only about 90 million ounces since 1926. Yet it is suggested that even this moderate realisation is to stop, and that India is to stand aside and keep her own home market free to absorb the production from the Mines of Mexico and the United States. This is a clearly unacceptable idea, and however anxious we may be—as indeed we are—to help, we must, as a condition of co-operation, secure fair consideration of India's interests. In the meanwhile, we must retain a free hand."

WAYS AND MEANS.

The following is a summary of the estimates of ways and means in India during 1933 34 and 1934 35 —

(In crores of rupees)

	Budget, 1933 34	Revised, 1933 34	Budget, 1934 35
RECEIPTS			
1 Excess of Revenue of the Central Government over Expenditure charged to Revenue	35 82	32 56	32 96
2 Unfunded Debt incurred—			
(a) Post Office Cash Certificates (net)	5 00	7 80	5 50
(b) Post Office Savings Bank deposits (net)	3 40	9 10	6 00
(c) Other Savings Bank deposits (net)	4 80	5 40	5 99
3 Appropriation for reduction or avoidance of debt	6 88	3 00	3 00
4 Railway and Posts and Telegraphs Depreciation Funds	42	09	— 35
5 Post Office Cash Certificate Bonus Fund	1 35	70	1 10
6 Miscellaneous Deposits and Remittances (net)	24	41	1 67
TOTAL RECEIPTS	57 91	59 06	55 87
DISBURSEMENTS			
7 Capital Expenditure not charged to Revenue—			
(a) State Railways	2 00	— 75	2 96
(b) Posts and Telegraphs	16	16	40
(c) Other items	1 06	1 41	1 29
8 Permanent Debt discharged (net)	28 95	42 54	13 24
9 Floating Debt discharged (net)	8 00	13 82	
10 Loss on revaluation, sale transfer, etc., of assets of the Paper Currency Reserve (net)		7 89	05
11 Loans by the Central Government—			
(a) To Provincial Loans Fund	3 91	3 68	6 00
(b) Other Loans	— 19	28	1 49
12 Remittances between England and India—			
(a) Remittance from India for financing Home Treasury	28 00	50 00	35 60
(b) Transfers through the Gold Standard Reserve and the Paper Currency Reserve	— 50	—31 75	
(c) Sale of silver	50	5 08	
(d) Other transactions (net)	1 39	1 57	70
13 Balances of Provincial Governments	—2 76	—2 90	—2 91
TOTAL DISBURSEMENTS	70 52	91 03	58 82
NET DISBURSEMENTS	12 61	31 97	2 95
New Loan	12 00	30 82	
Reduction (+) or increase (—) of cash balance	+ 61	+1 15	+2 95
Opening Balance	11 73	14 59	13 44
Closing Balance	11 12	13 44	10 49

Reception by the Assembly—Strong opposition was manifested in the Assembly to the new income tax and super tax rates, and on the plea that Government's duty was to retrench expenditure still further, an amendment was passed reducing the proposed revenue from this source by Rs 240 lakhs. Government found themselves unable to accept this cut, and the Finance Bill was returned to the Assembly by the Governor General with the recommen-

dation that it should be passed with an amendment to the Finance Member's original scheme involving a reduction in the lowest grades of income tax and leaving the higher grades untouched. The estimated decrease in revenue was about a crore of rupees compared with nearly two and a half crores created by the Assembly's vote. The following were the rates recommended by the Governor General—

In the case of every individual, Hindu undivided family, unregistered firm and other association of individuals not being a registered firm or a company —		Rate
When the total income is less than Rs 2,000	Nil	
When the total income is Rs 2,000 or upwards, but is less than Rs 5,000	Six ples in the rupee	
When the total income is Rs 5,000 or upwards, but is less than Rs 10,000	Nine ples in the rupee	
When the total income is Rs 10,000 or upwards, but is less than Rs 15,000	One anna in the rupee	
When the total income is Rs 15,000 or upwards, but is less than Rs 20,000	One anna and four ples in the rupee	
When the total income is Rs 20,000 or upwards, but is less than Rs 30,000	One anna and seven ples in the rupee	
When the total income is Rs 30,000 or upwards, but is less than Rs 40,000	One anna and eleven ples in the rupee	
When the total income is Rs 40,000 or upwards, but is less than Rs 1,00,000	Two annas and one ple in the rupee	
When the total income is Rs 1,00,000 or upwards	Two annas and two ples in the rupee	
In the case of every company and registered firm, whatever its total income	Two annas and two ples in the rupee	

The Bill in its recommended form was, however, rejected by the Assembly by 60 votes to 56, and was sent to the Council of State where it was passed. It became law on being certified by the Governor General. The gap of Rs 105 lakhs caused by the amended income tax figures was partly filled by reduction of military expenditure to the extent of Rs 60 lakhs and by Rs 15 lakhs cut in civil expenditure.

Other cuts made by the Assembly and accepted by Government included token reductions of Rs 100 in the demands for Customs, Income Tax, Executive Council and Army Department. Two cuts of Rs one lakh and Rs 100 were made in the Railway Board demand and were accepted.

Supplementary Budget—It soon became evident that the worsening of the trade depression had seriously vitiated the revenue estimates in the February budget, and in September Sir George Schuster came before the Legislative Assembly

with a Supplementary Finance Bill. The Finance Member said that the returns for the first five months indicated that they would fall short of their budget estimates for customs by at least Rs 10 crores, the heaviest reductions being under cotton piece goods, sugar, silver, spirits and liquor, excise on motor spirit, iron and steel and in the jute export duty, while they expected a deficit of Rs 1½ crores on income-tax. Income from Railways and Posts and Telegraphs showed a similar decline. The total deterioration in income amounted to Rs 11.33 crores in tax revenue, Rs 5.48 crores on commercial departments, Rs 2.29 crores in general finance headings, Rs 23 lakhs under extraordinary receipts and Rs 23 lakhs under other heads. As the budget provided for a small surplus of Rs 1 lakh on the basis of the present estimates there would be a net deficit of Rs 19.55 crores. Putting the deficit for the current year and next year together they had a gap to fill of Rs 39.05 crores. He proposed

to deal with the situation on three distinct lines, firstly, to reduce expenditure, secondly, to impose an emergency cut in salaries, and thirdly, to impose fresh taxation. Retrenchment measures in civil expenditure he estimated would save about Rs 30 lakhs in the current year, and Rs 250 lakhs next year, while military expenditure next year would be curtailed by Rs 450 lakhs. A ten per cent cut in pay in both civil and military departments would lead to a saving of Rs 60 lakhs in the current year and Rs 190 lakhs next year. Turning to new methods of raising revenue the Finance Member said his first proposal would be an immediate increase in the salt revenue by abolishing the credit system, which would mean that the revenue would be increased by a crore of rupees each year on this account. The main plank of his new taxation proposals was to put a temporary surcharge on all existing taxes with the exception of Customs export duties, the surcharge being 25 per cent on the existing rates in each case. He proposed that the surcharge for the current year in income tax should only be 12½ per cent, but it would be collected at this rate on the whole year's income. Government held that in the present emergency they were justified in reducing the income-tax exemption limit and imposing a small tax of four ples in the rupee on incomes between Rs 1,000 and Rs 2,000 per annum. Dealing with special increases and new taxes, the Finance Member said "We propose to increase the import duty on artificial silk piece goods from 20 to 40 per cent and on artificial silk yarn from 10 per cent to 15 per cent. We also propose to increase the duty on brown sugar from Rs 6-12-0 to Rs 7-4-0 per cwt. This follows the Tariff Board's recommendation. As regards boots and shoes, we propose that there should be imposed as an alternative to the 20 per cent duty a minimum of 4 annas per pair. The duty will thus be 20 per cent or 4 annas a pair, whichever is the higher. We also propose to increase the duty on camphor and on electric bulbs from 20 to 40 per cent. As regards all these articles the surcharge will be levied on the increased duty."

"Then there are three items formerly on the free list on which we think it justifiable to impose a small duty on revenue grounds. The result of the surcharges imposed in last Budget and proposed now is that the level of the general revenue tariff has been increased from 15 to 25 per cent. There is, therefore, some justification for adding a 10 per cent duty to articles hitherto free. We propose to put duties of 10 per cent on machinery and dyes, and of ½ anna per lb on raw cotton. I must expect criticism of these duties especially from the cotton mills, and I must acknowledge that their imposition may appear to be in some ways inconsistent with previous policy. The justification must be the need for revenue, while as regards the cotton mills we may claim that on balance their position will be improved by our surcharge proposals, for under these the import duties on cotton piece-goods will be increased by one quarter. This more than offsets the burden of ½ anna per lb on goods made from imported cotton, and affords an effective answer to possible criticisms on the grounds to which I have referred. I have one more word to say as regards the income tax proposals. In considering the cut to be applied to the salaries of Government officials we considered what total

reduction of their emoluments could fairly be imposed. If the general rate of reduction is to be 10 per cent, that represents what we think fair, and if further increases of income tax were to be added, that would go beyond the reasonable limit. We therefore propose that increases of income tax both by way of surcharge on existing rates or by way of imposition of a tax for the first time on salaries from Rs 1,000 to Rs 2,000 should be merged in any general cut which we are imposing or which the Provincial Governments may impose."

The Finance Member's final proposal was to increase the postage for inland letters to 1½ annas instead of 1 anna and for postcards to 9 ples instead of 6 ples. That enhancement was expected to produce Rs 73 lakhs in a full year and go a long way to cover the deficit of Rs 92 lakhs in the working results of the Posts and Telegraphs Department which would be left even if the recommendations of the Posts and Telegraphs Accounts Enquiry Committee were accepted.

Need for Solvency—The net result for the current year was an estimated increase in taxation of Rs 711 lakhs which, together with Rs 37 lakhs from increased postal charges and Rs 100 lakhs from salt revenue, meant, with retrenchment measures, an improvement of Rs 938 lakhs as against an estimated deficit of Rs 19 55 crores. They would thus close the year with a deficit of Rs 10 17 crores. On the other hand, in 1932-33 they would feel the full benefit of the retrenchment measures and the extra taxation, making a total improvement of Rs 24 73 crores against an estimated deficit of Rs 19 50 crores. They should thus close the year with a surplus of Rs 5 23 crores. The combined result of the two years would be a deficit of Rs 4 94 crores, which they were justified in regarding as covered by making during this period of exceptional stress a reduction of about Rs 247 lakhs in each year for the provision for reduction or avoidance of debt. The net administrative expenditure would, according to their plans, proceed as follows—

1930-31	Rs 79 67 crores
1931-32	Rs 74 66 crores
1932-33	Rs 65 95 crores

Concluding his speech Sir George Schuster said "I referred at the outset of my speech to the dangers, now that we are divorced from a gold standard, of any inflationary action for the purposes of meeting the current expenditure of the Government. If once that process starts, it may be impossible to save the country from a complete collapse of its currency. That has been the experience of all countries whose currencies collapsed after the War. They all went through the same process. Budgetary deficits, met first by borrowing, then a reluctance of the public to subscribe to government loans or treasury bills, then recourse to the note-printing press and inflation to provide funds to meet current public expenditure, then collapse in confidence in the currency, notes printed faster and faster until the amounts reached astronomical figures, and finally the complete disappearance of any value to the currency at all. We want to erect a solid

barrier against the possibility of India getting on to that slippery slope. That is the essential justification for our proposals. We have heard much talk in the last days about the disappearance of our currency reserves. But no currency can be large enough to stand up against a lack of confidence in the currency. Reserves are only valuable to tide over temporary difficulties. The real safeguard must be confidence in the soundness of a country's financial situation. If a country meets current expenditure with current revenue, and if, further, it has a favourable balance of trade then it can face all the vicissitudes of fortune with confidence and its actual currency reserves are of minor importance.

Assembly Opposition—The Finance Member's statement and fresh taxation proposals came as a shock to the Assembly, and strong opposition to certain sections of the Bill was manifested from the start. Most of the non-official members maintained that larger cuts in expenditure should be made, instancing the need for still further retrenchment in the Army demands. When the Bill was discussed clause by clause a motion was carried placing mill machinery, etc. again on the free import list and the proposal to increase postal rates was rejected. Amendments to the income tax increases were carried omitting the reduction of the minimum taxable income from Rs 2,000 to Rs 1,000, and making the 25 per cent surcharge levied during 1932-33 applicable only to incomes over Rs 10,000 per annum. When the discussion finished the Bill was returned to the Assembly with a recommendation by the Governor-General that it should be passed in its original form. Lord Willingdon pointed out that the amendments made by the Assembly would reduce the expected revenue by Rs 4 crores over eighteen months, and added "I am satisfied that I cannot consistently with my responsibilities allow this deficiency to remain uncovered." The Bill as amended was, however, rejected by the Assembly by 63 votes to 48. It was taken to the Council of State where it was passed and was thereafter certified as law by the Governor-General.

The 1932-33 Budget—Presenting the 1932-33 budget on March 7th, 1932, the Finance Member explained that the circumstances were somewhat unusual. The supplementary budget had been introduced only six months earlier. He did not, therefore, propose to ask the House at the present stage to approve any extensions or modifications of the plan for raising revenue put forward in September 1931. On the basis of the supplementary budget in September it was hoped to reduce the deficit for the current year to Rs 10-17 crores and for the following year to realise a surplus of Rs 523 lakhs but experience had made it necessary to revise these estimates. A deterioration in the figures by about Rs 3 crores was to be allowed for each year and it was anticipated that the current year would close with a deficit of Rs 13-6 crores and that the surplus for 1932-33 would be Rs 2-15 crores. The Finance Member reminded the House that for the current year and the next year combined no less than Rs 13-71 crores was being provided from revenue for reduction or avoidance of debt.

Revenue Estimates—The budget estimates for customs receipts in 1932-33 were put at Rs 115 lakhs less than in the previous year in spite of the increased duties imposed by the emergency budget and which were expected to bring in an additional revenue of Rs 92 crores. The main deterioration occurred under the heads of sugar, silver, cotton piece-goods and liquor. Referring to the revenue from the commercial departments the Finance Member said that no contributions from the railways were expected either in the current year or the next. As regards Posts and Telegraphs the loss in working in the coming year was expected to be about Rs 16 lakhs.

Expenditure Estimates—The total civil and net military expenditure in 1932-33 was estimated at Rs 67-39 lakhs which was Rs 11-54 lakhs less than for 1930-31 and Rs 7-95 lakhs less than the current budget. On the subject of retrenchment the Finance Member said:

"For the present I would remind Honourable Members of the following broad facts, when they compare what we have achieved with the recommendations of the various Retrenchment Committees. The total recommended by the four civil Sub-Committees was Rs 1-09 lakhs, and we have against this achieved economies of Rs 4-33 lakhs or nearly 87 per cent—before allowing for terminal charges which, of course, the committees did not take into account."

"I would mention two other striking results in this connection. The first is the actual reduction in Expenditure. I have already given the figures from the accounts showing a reduction of 11-84 lakhs for Civil and Military Expenditure (excluding Posts and Telegraphs) since 1930-31. The position may also be stated in another way. If Honourable Members will look at the analytical table which is included in the Financial Secretary's memorandum (which is prepared now on a slightly different basis from that which I circulated in September) they will find that what I may describe as the net controllable administrative expenditure, civil and military (which excludes the cost of collection of taxes and of the administration of salt and Posts and Telegraphs expenditure) has been brought down from just over Rs 76 crores in 1930-31 to just over Rs 64 crores for 1932-33, a reduction of about 16 per cent."

The second fact is of a more distressing nature, but it indicates the magnitude of the effect which we have made. In pursuance of the retrenchment campaign the following appointments in the Civil Departments (including Posts and Telegraphs) have been or will shortly come under reduction so far as information is at present available—

Gazetted officers	299
Ministerial establishment and other superior establishment	5,279
Inferior establishment	1,485
Total	7,063

Army Expenditure—On the subject of military expenditure the Finance Member said—

"In September last I informed the House that His Excellency the Commander-in-Chief had agreed, as the Army's contribution in the national emergency, to accept a cut of 1.55 crores on his 1931-32 budget. I have now only to say that His Excellency has made good his undertaking in full, and that the estimate for the military budget in 1932-33, excluding the special grant for the Territorial Force, stands at 46.65 crores."

Honourable Members will find among their budget documents an Army Department paper giving a detailed account of the methods by which this reduced figure has been reached. The total reduction, which is valued at 51 crores to allow for certain unavoidable new items such as the establishment of the Indian Sandhurst, is made up of first 1.40 crores from cuts in pay, secondly, 3.10 crores from retrenchment measures in recurrent expenditure, and thirdly, 1 crore from postponement of projects with the special re-equipment programme. It is necessary to appreciate the exact significance of these savings. To take the first—the cut in pay, this except for certain categories of British Army personnel (in regard to whom the reduction following what has been done in England, is permanent), represents the general 10 per cent cut which we have imposed on all Government servants and, as we have undertaken that this cut will be restored as soon as conditions permit, most of this part of the reduction must be regarded as purely temporary. Turning to the second class, the retrenchment in recurrent expenditure, this to some extent is accounted for by special temporary savings, such as the eating down of stocks and postponement of essential buildings. As regards the third class, the postponement of the re-equipment programme, this cannot be regarded as permanently cancelled. It does, however, represent special non-recurring expenditure, and when conditions permit it will be necessary to consider special means for financing the completion of this programme."

"The significance of these remarks may be indicated in the following way. As regards the cut in pay, when the general cut of 10 per cent is removed this will automatically throw back on to the Army a recurrent liability of 1.23 lakhs—(1.40 less 17 which is a permanent cut). As regards the retrenchment in normal expenditure, about 65 lakhs of this represents savings which are not in the strict sense recurrent. About 20 lakhs represents drafts on stocks, etc. and 45 lakhs postponement of the provision for buildings which are regarded by the Army Department as essential. As regards the postponement of the re-equipment programme, the one crore saved on this for next year may have to be found later by some form of special non-recurring provision. The Army authorities have throughout made it clear that they have only agreed to postponement in order to help in meeting the present national emergency, and that the permanent cancellation of these measures could not—consistently with maintaining the efficiency of the Army—be effected."

"His Excellency the Commander-in-Chief has given an assurance that he will not relax his efforts to secure further reductions in recurrent expenditure both by pressing on with measures already adopted, and by developing in further lines that may present themselves, but he has made it clear that he does not see any hope of being able to find economies in normal expenditure, that is to say, economies from measures other than the reduction of fighting troops which raises quite different issues, which come near to balancing the burden of 1.23 lakhs which would arise from restoring cuts in pay combined with the disappearance of the 65 lakhs of special savings on recurrent expenditure from next year. In support of this he points out that in spite of the intensive examination of all sources of economy both by his own officers and by the Retrenchment Committee, it was only possible to work up to the present reduction of 51 crores by reducing troops at a saving of 55 lakhs. Further, although provision has been made in the estimates for 1932-33 for some rise in the prices of food grains as compared with those prevailing in 1931-32, the rates now taken are still far below the recent normal level, and, if prices should rise to, and be stabilised at, something like the 1929 level, this event, though welcome on general grounds, would mean an automatic increase in the military estimates. On these considerations His Excellency wishes it to be made clear that he cannot regard the Budget figure of 46.65 crores as representing a new standard level of standing charges, and that the normal cost of the forces at their present strength when the cut in pay is restored must be reckoned to be about 48 crores even if the prevailing low prices for grain, etc., continue. I have thought it right to let Honourable Members know the conclusions which His Excellency has drawn from the facts of the present situation and I can only add that the Government will continue to press for all possible efforts to secure further recurrent economies, and that the campaign for retrenchment will not be regarded as finally closed with the achievements of this year."

The 1933-34 Budget—In introducing the budget, the Finance Member summarised the results for the two previous years. The results for 1931-32 had turned out to be Rs. 2 crores better than anticipated in the budget speech and the account for the year showed a deficit after providing nearly Rs. 7 crores for the reduction of debt of Rs. 11½ crores. For the year 1932-33 the latest revised estimates indicated that the surplus would be Rs. 217 lakhs or Rs. 2 lakhs more than was estimated. He continued to estimate revenue for 1933-34—particularly customs revenue—is, in view of the completely uncertain and abnormal conditions, a task of quite unprecedented difficulty. Indeed I may say that accurate estimation is impossible. In these circumstances and for the reasons which I have explained, we have thought that the most reasonable course is to assume that the general position next year will be the same as for the current year, neither better nor worse, and in particular that India will be able to maintain the same purchasing power for commodities imported from abroad.

Customs—The assumption, however, that the value of imports will be maintained does not necessarily imply that the value of the import duties will also remain the same

I have already explained the special position as regards sugar, showing how the present development of the Indian industry is affecting our revenue. On these considerations we think it necessary to allow for a drop of one crore in receipts from the sugar import duties which will not be offset by any increase under other heads

In regard to cotton piece goods also, for reasons which I have explained, we think it necessary to regard the revenue from import duties—at least on Japanese goods—as to some extent abnormal and not likely to be repeated. Here therefore we have allowed for a drop of 30 lakhs

As against these reductions we have thought it safe to count on a small revenue (25 lakhs) from silver imports—because having closed the gap in our land customs line on the Burmese frontier, through which a large trade in silver from China was suddenly developing in the course of the last year, we think it reasonable to expect a moderate resumption of dutiable imports.

Making allowance for these and other minor variations, our customs revenue estimates for next year are put at 51.25 lakhs showing a reduction of 104 lakhs from the revised estimates of the current year

The position as regards net receipts may be summarised as follows —

	Revenue (Lakhs)
Budget Estimate, 1932-33	52.31 27
Revised Estimate, 1932-33	52.28 55
Budget Estimate, 1933-34	51.24 60

Debt Service—Regarding the service of debt the Finance Member said —

‘In the first place, as regards interest payments, the reductions shown are satisfactory, namely, 204 lakhs as compared with 1931-32, and 51 lakhs as compared with the revised estimate for 1932-33. I must however explain that the full result of the conversion operations recently undertaken is not yet revealed. The results indeed of the latest operation were not known at the time our estimates had to be compiled, but apart from this there are other special reasons. Although our main conversion scheme has been directed to substituting one form of permanent debt for another, the process has been a continuous one which is not yet completed, and the first actual result in the current year has been to reduce treasury bills held by the public and the Paper Currency Reserve by approximately Rs 34 crores. Current rates for treasury bills had fallen so low that this aspect of the conversion actually represents, initially at least, an increase in the

interest charges. It must be remembered, however, that this large reduction in our treasury bill outstandings is not only a sound operation in itself, but by strengthening the Government position enables it to reduce interest rates both for the remaining volume of treasury bills and for its permanent debt.”

Civil Expenditure—“The budget estimate of Civil expenditure for the current year (1932-33), i.e., excluding military expenditure, expenditure on Commercial departments and Debt services, was 20.65 lakhs. Our revised estimate now gives the figure as 20.89 lakhs. There is thus an apparent increase of 24 lakhs. But a closer examination shows that this increase, does not denote any increase in real expenditure, and, indeed, that the economy in recurrent expenditure has been greater than that which we promised. The figure of expenditure as shown in our accounts has had to be increased because special items amounting in all to 69½ lakhs, but the great bulk of which do not denote real expenditure, have had to be included

“Under the other heads of real expenditure we shall have achieved during this year economies of Rs 45 lakhs more than we promised. It may be remembered that in my budget speech in March last I stated that, broadly speaking, against a total retrenchment in expenditure of Rs 499 lakhs recommended by the four civil sub-committees, Government had achieved economies of 433 lakhs, or nearly 87 per cent before allowing for terminal charges which the committees did not take into account. The results according to the revised estimate for the current year which I have just given show that the actual economies achieved in normal expenditure amount to 45 lakhs more than this, that is to say, to a total of 178 lakhs, or nearly 96 per cent of the amount recommended by the retrenchment committees

“Turning to the estimates of expenditure under these civil heads for next year, I am glad to be able to report a still further improvement. As compared with the current year with its budget estimate of 20.65 lakhs and the revised estimate of 20.89 lakhs, the estimates for 1933-34 are 20.53 lakhs, that is to say, a reduction of 36 lakhs on the current year in spite of the following facts, first, that we have allowed for reducing the cut in pay to 5 per cent thereby incurring extra charges of 28 lakhs on these particular civil heads, secondly that we have to meet the normal increments in time scale pay which still involve an annual addition of something like 15 lakhs, and thirdly, that we have to meet new obligatory expenditure amounting to about 17 lakhs, the nature of which I shall shortly explain. If all these items are taken into account it will be seen that the total of the net reductions otherwise effected under the normal heads of expenditure amount to no less than 96 lakhs. Honourable Members may say that they are not concerned with this figure but only with the saving of 36 lakhs actually effected, but I have given these explanations in order to show how we are continuing the retrenchment effort and what a constant effort is required “merely to prevent expenditure from growing.”

1933-34 at 1 crore is 30 lakhs higher than the budget, the increase being mainly due to the receipt of a large payment of arrears. For next year we are only budgeting for 35 lakhs owing to declining sugar imports so that under this head there is a loss of 65 lakhs as compared with the revised estimate for 1933-34.

Then we must be prepared for a substantial drop in the machinery import duty. We expect to get 1,32 lakhs from this in the current year, or 17 lakhs more than our budget estimate but these high receipts are to the exceptionally large imports of sugar machinery. We cannot count on their continuance and we have reduced next year's estimate to 1 crore which means a drop of 32 lakhs on the revised estimates of the current year.

Another item which I will select for special mention, because I have some proposals to make about it later, is manufactured tobacco. Here the operation of our duties as a result of recent changes and surcharges has given a protective stimulus to the local manufacture of a class of cigarette which was hitherto imported. We budgeted for 50 lakhs in the current year, but on our revised estimates expect to get only 28 and on this we have to allow for a further loss of 8 lakhs next year unless a change is made.

The special items which I have selected for mention account for a loss in import duties next year of 4,00 lakhs as compared with the revised estimates for the current year. On all the other customs items combined we are budgeting for a net increase of 1,75 lakhs, so that the net deterioration under customs as compared with the revised estimates for the current year is 2,25 lakhs.

Other Revenue—The changes in other heads of Revenue do not call for any detailed comment. We are allowing for a slight recovery of 12 lakhs in Taxes on Income to a total of 17½ crores, and we should have put this 25 lakhs higher if it had not been for the losses which must be anticipated from the earthquake. We are also allowing for an increase of 18 lakhs on salt and for a drop in the gross receipts from Opium of 64 lakhs. The declining revenue from the latter item owing to the policy adopted in 1925 has been another cause of budgetary difficulties. Altogether the total drop to be allowed for in Revenue as compared with the Revised estimates for the current year is 2,74 lakhs, which is more than accounted for by the loss on sugar.

Expenditure—On the subject of expenditure Sir George Schuster said—

So far as concerns expenditure, we are still searching for further economies, and have rigidly maintained our rule that no new item of expenditure shall be admitted unless it is absolutely obligatory or unless it is likely to be economically productive. We have also, as I have already announced, decided that the 5 per cent cut in pay ought to be retained for another year. As a result there is a very satisfactory reduction of 2,12 lakhs in the Budget provision for next year as compared with the Budget for the current year, and of 2,90 lakhs as compared with the actuals for

last year (1932-33) for, while expenditure on Civil Administration has been kept practically unchanged in spite of the normal increments in pay, there is a substantial saving on interest charges due to conversion schemes and the improvement in Government credit, while the military contribution from His Majesty's Government means a big reduction in the Army Budget.

The demand under the Defence head stands for next year at 14.38 crores. This is 1½ lakhs less than the Revised estimates for the current year and 1,82 lakhs better than the Budget estimate. The latter big reduction is of course due to the payment now made by His Majesty's Government as a result of the finding of the Capitulation Tribunal, to which I have already referred. The House is fully informed as to the facts in this case, and I need not add further explanations but I wish to take this occasion to review the course of military expenditure during the period of my office as Finance Member. The salient fact is that the total demand has been reduced by no less than 10.72 crores, from 55.10 crores in 1929-30 to the present figure of 44.38 crores. This is a remarkable reduction and I venture to think that if I had prophesied its achievement in 1929, my prophecy would have been greeted either with incredulity or, among those who gave credence to it, with extreme satisfaction. In the debate at that time the great demand was always that we should get Defence expenditure down to the so-called Incheurpe figure of 50 crores. Yet now we are nearly six crores below that.

Debt Services—Regarding the interest on debt, the Finance Member said—It is a notable fact that the net figure for 1934-35 under Interest on Ordinary debt is less than nothing—in fact a surplus balance of about 1 lakh. This is a reduction of 1,17 lakhs on the budget for 1933-34, though it is actually about the same as for the revised estimates. The comparison is complicated by the position as regards war debt payments. In the budget of 1933-34 we provided 88 lakhs against this liability, but as no payment was made this amount was saved, and, as I have already explained, is the main reason for the saving on the revised estimates. As regards 1934-35, His Majesty's Government has already agreed to the postponement of the instalment due in June 1934, but we have made provision for the second half year's instalment, and we have also assumed that the outstanding arrears, excluding the amount in suspense, will be capitalised and the total discharged by equated payments ending 1952 to cover principal and interest. On this basis we are making provision for 58 lakhs in the 1934-35 budget. Excluding these War Debt provisions the comparison between 1933-34 and 1934-35 works out as follows—

1933-34 Budget	28 lakhs
1933-34 Revised	Nil
1934-35 Budget	—59 lakhs (i.e., net surplus)

There is thus really an improvement of 87 lakhs on the budget for 1933-34 and of 59 lakhs on the Revised.

Under Interest on Other Obligations there is an increase in the budget provision for 1934-35 of 72 lakhs over the budget for 1933-34 and 68

lakhs over the Revised estimate This is accounted for by an extra charge of 50 lakhs in respect of bonus on Post Office Cash Certificates, while the balance represents mainly interest on the increased amount of Post Office Savings Bank deposits

I might sum up the result by saying that as regards Interest charges, including both Interest on Ordinary Debt and Interest on Other Obligations, we have to provide next year 45 lakhs less than was allowed for in the budget of 1933-34, but 68 lakhs more than we are allowing in the revised estimates, and that as against the latter increase we are providing 58 lakhs more on War Debt and 50 lakhs more on Post Office Cash Certificates

Changes in Duties—The Finance Member announced the imposition of an excise duty on sugar in the following words —

After careful consideration we have decided to propose a dual policy, on the one hand the imposition of an *excise duty on factory produced sugar*, and on the other hand the introduction of legislation by the Central Government which will enable the Provincial Governments to apply schemes for enforcing a minimum price for cane to be paid by the factory to the grower. As I have already stated, the present duty of Rs 9-1-0 per cwt is Re 1-13-0 above the basic duty of Rs 7-4-0 recommended by the Tariff Board. In their report, however, the Tariff Board recommended that there should be power for Government to increase the measure of protection by 8 annas per cwt when Java sugar was being imported at a price less than Rs 4 per maund to Calcutta. We propose to assume that the conditions justifying this extra margin of protection are likely to continue in existence for the present, and therefore to leave a protective margin of Rs 7-12-0 per cwt and to impose an *excise duty of Re 1-5-0 per cut*. We assume that this will yield Rs 1.47 lakhs, and out of this we propose to set aside an amount equivalent to 1 anna per cwt, representing about 7 lakhs, as a fund to be distributed among the Provinces where white sugar is produced for the purpose of assisting the organisation and operation of co-operative societies among the cane growers so as to help them in securing fair prices, or for other purposes directed to the same end.

Tobacco Duties—The Finance Member said —

Under our present tariff, as modified by the two surcharges, the duty on cigarettes works out at something like double the duty on the tobacco used in making similar cigarettes in India, and the result has been to divert the manufacture of the great majority of the leading brands of cigarettes to factories in India belonging to the same interests as previously imported these brands from abroad. Such an industrial development has never made a claim—and I do not think it could make a good claim—that it satisfies the principles of discriminatory protection and should therefore receive abnormal encouragement from the tariff. We have now decided to fix the relation between the duty on cigarettes and the duty on raw tobacco on a more rational basis, and we have considerable hopes that, while not depriving the interest

concerned of reasonable assistance, it will bring back the class of cigarette concerned into the field of open competition between the imported and locally made article, and result, without detriment to the interest of the consumer, in some increase of revenue from import duties. We propose to take for cigarettes a specific duty roughly corresponding to the identical amount that would have been paid on the quantity of leaf contained in the cigarettes and to add to this specific duty the normal revenue duty of 25 per cent *ad valorem*, thus leaving the local industry with no more than the benefit which is enjoyed by every non-protected industry engaged in the manufacture of goods which are subject to our present normal revenue duty of 25 per cent. The details are as follows

At present what I may call the basic rate of duty on cigarettes is Rs 10-10 per thousand, while there are smaller classes which are assessed at Rs 15 and Rs 8-8 per thousand, the division between these classes being dependent upon values. The present rate of duty on raw tobacco is Rs 2 per lb standard and Re 1-8 preferential (Imports entitled to the benefit of preferential duty are negligible). The revised rates that we propose are —

On raw tobacco Rs 2-6-0 per lb standard and Re 1-14-0 per lb preferential

On cigarettes Rs 5 15 0 per thousand *plus* 25 per cent *ad valorem*

Silver—Announcing a reduction in the silver import by 2½ annas to 5 annas per ounce Sir George Schuster said —

At present the imports of silver have for all practical purposes ceased, so that against our budget estimate for the current year of 25 lakhs we only expected to receive 1 lakh, and there is no reason, if the present duty continues, to anticipate more next year. The decline in the import of silver is of course primarily due to the lack of purchasing power in the country which has turned India into an exporter of gold instead of an importer to the extent of many crores per annum of gold and silver. Therefore in present conditions the existence of this high duty can hardly be regarded as having any appreciable effect on the normal trade, though it is probably encouraging some smuggling, and it is certainly attracting movements of silver through any gaps which exist in our land customs regime. Last year I mentioned that we were taking steps to deal with this on the Burma frontier, and further steps in respect of other places are now under consideration. While this is an undesirable condition we think that the time has come on general grounds to take account of the fact that if India's purchasing power for silver were to revive the existence of a duty at the present level would not only provide an increased incentive to smuggling, but would also act as a serious obstacle to legitimate trade. Moreover we must also take into account our general policy in this matter. The part which the Indian delegates played in bringing about the silver agreement at the World Economic Conference, which has already been ratified by the Indian Legislature must be regarded as indicating our desire to co-operate with other countries and especially with the United States

of America in measures designed to improve its price. Although we must reserve our liberty to impose a duty on silver for revenue purposes, we must on the other hand recognise that a duty which is so high as to operate as a serious impediment to trade may also be unprofitable from the revenue point of view. Therefore, both as a measure of co-operation with the United States of America and other countries interested in silver, and also for the purpose of improving the prospects of our own revenue, we think the time has come to make a reduction in the silver duties.

The only consideration which can weigh with us on the other side is the effect of any such reduction on local prices. There can be no doubt that the existence of our duty throughout the last few years has done something to protect the internal price of a commodity which is an important store of value to the poorest classes. We do not wish to disturb this position, but as the facts are to day we think we can lower the duty without risk of doing so. Taking the prices of silver which have been ruling recently in London (about 19½d to 20½d per standard ounce), the prices in Bombay have been ruling round about Rs 55 per 100 tolas as against 19½d per ounce in London. On the basis of a London price of 19½d was calculated that the parity price in Bombay allowing for import duty and other charges, ought to be Rs 61-11-9 per hundred tolas, so that it looks as if the Bombay prices have been keeping at a level at least Rs 6-11-9 per 100 tolas below the full parity. The duty of 7½ annas per ounce is equivalent to Rs 17-9-3 per 100 tolas. It appears therefore that we might reduce the duty by one third i.e., by 2½ annas per ounce without thereby necessarily affecting the Bombay price at all, for it would still be somewhat below the London parity.

Export Duty on Hides—The export duty on raw hides was abolished by the 1934-35 budget.

Excise on Matches—Announcing that the Government intended to hand over half the jute export duty to the jute producing Provinces, the Finance Member said that the Government of India would recoup their losses by imposing a levy on matches at the rate of Rs 2-4-0 per gross of boxes on matches made in British India.

Assembly Decisions

The assembly accepted the whole of the financial plan except to the extent that government themselves accepted a change in the match excise duty. The changes as summed up by the Select Committee which examined the Bill, were the most important question which confronted us was whether the duty as fixed by the Bill would so react on the retail selling price of matches as to bring about a very serious diminution of sales. In order to avoid this it seemed to us essential that the duty be so regulated as to make it possible a reasonable sized box of matches retailed singly in bazaars at the price of one pie.

After very careful consideration we have come to the conclusion that if this result is to be achieved and a sufficient margin of profit left for retailers and manufacturers, the rate of excise

duty initially at least should not be fixed higher than one rupee per gross of boxes containing on average 60 matches.

We hold that the duty could be fixed at corresponding rates for matches in boxes of 60 or 80 and that the classification of matches according to these standards is most suitable and convenient from the administrative standpoint.

From matches packed otherwise we have left the duty to be fixed by the Governor General in Council.

Posts and Telegraphs—The following changes in postal and telegraph charges were announced—

Postal—(a) In the postal tariff we propose to lower the initial weight of inland letters from 2½ tolas to 1½ tola coupled with a reduction in the charge from 1½ anna to one anna. For heavier letters the charges will continue to be 1½ anna for letters not exceeding 2½ tolas, with additional 1½ anna for successive weights of 2½ tolas or fractions. This change introduces a lighter unit of weight and will undoubtedly benefit the poor citizens and the business community. Allowing for a recovery of 10 per cent in traffic we estimate that in the first year this reduction will involve a loss in revenue of 27 lakhs, but we have good reasons to hope that in the second year this loss will practically disappear, and that thereafter there will be a gradually increasing net gain.

(b) As a second change in postal charges we propose the remission of the extra pie per five pie embossed envelope which was imposed in 1931 to recover the cost of manufacturing the envelope. This is more of the nature of an administrative reform considered necessary on general grounds than a regrading of the rate, but it is again a reform which will benefit the ordinary citizen. We estimate a loss of revenue of two and a half lakhs from this change.

(c) Thirdly, as regards postal rates, we propose a small change in a contrary direction, namely, that the initial charge on inland book packets not exceeding 5 tolas in weight should be raised from 6 to 8 pias. The book packet method of transmission is undoubtedly being abused, and a change is urgently necessary to stop the diversion, with consequent loss of revenue, that is occurring of post card traffic to the book packet category. We estimate a gain of a little over 5 lakhs in revenue from this change.

Telegrams—The last change which we propose is as regards telegrams. Instead of having, as at present, a minimum charge for ordinary telegrams of 12 annas with a surcharge of one anna for a message of 12 words, we propose to introduce a minimum charge for a telegram of 8 words or 9 annas, while that for an express telegram of the same length will be one rupee and two annas. For each additional word in the two classes of telegrams the additional charge will be one and two annas respectively. We estimate a loss during the first year of 3 lakhs from this change, but here also, as in the case of the postal rates, we hope that in the second year this loss will disappear, while without making this change we consider that there is a prospect of a continuous decline in telegraph receipts.

Statement showing the interest bearing obligations of the Government of India, outstanding at the close of each financial year

	1st March 1929	31st March 1930	31st March 1931	31st March 1932	31st March 1933	31st March 1934
<i>In India—</i>						
Loans	590 7	105 11	117 24	122 69	416 89	435 17
Treasury Bills in the hands of the public	4 00	36 04	55 38	47 53	26 09	30 00
Treasury Bills in the Paper Currency Reserve	29 15	29 21	5 89	49 67	35 48	17 75
Total Loans, etc	113 88	170 35	478 51	529 39	508 46	482 92
<i>Other Obligations—</i>						
Post Office Savings Banks	34 49	37 13	37 03	38 20	43 40	52 50
Cash Certificates	32 30	35 00	38 43	41 58	55 61	63 44
Provident Funds, etc	60 52	65 41	70 33	73 04	76 74	82 14
Depreciation and Reserve Funds	31 09	30 18	21 39	17 65	15 22	15 36
Provincial Balances	10 43	10 21	6 09	4 32	7 02	4 42
Total Other Obligations	168 83	177 93	173 27	177 79	198 02	217 86
Total in India	602 71	648 28	651 78	707 18	706 18	700 78

Statement showing the interest bearing obligations of the Government of India, outstanding at the close of each financial year—concl'd

	31st March 1929	31st March 1930	31st March 1931	31st March 1932	31st March 1933	31st March 1934
<i>In England—</i>						
Loans	283 31	289 03	316 81	313 60	314 32	320 61
War Contribution	16 72	16 72	16 72	16 72	16 72	16 72
Capital value of liabilities under going redemption by way of terminable railway annuities	53 35	51 86	50 32	48 72	47 08	45 35
Indic bills		6 00	1 05			
Provident Funds, etc	43	2 54	70	80	1 91	1 02
Total in England	353 81	366 15	387 76	379 81	379 02	383 70
Equivalent at 1s 6d to the Rupee	471 75	488 20	518 12	506 45	503 36	511 60
Total Interest bearing obligations	1,074 46	1,136 50	1,169 90	1,213 63	1,211 84	1,212 38
Interest yielding assets held against the above obligations—						
(i) Capital advanced to Railways	700 69	730 79	745 29	750 73	756 75	757 20
(ii) Capital advanced to other Commercial Departments	21 81	22 70	23 65	24 25	21 89	22 55
(iii) Capital advanced to Provinces	137 52	142 60	151 82	163 64	173 04	176 72
(iv) Capital advanced to Indian States and other interest bearing loans	15 59	17 65	19 45	20 29	20 92	21 20
Total Interest-yielding assets	875 51	913 74	938 00	958 91	972 60	977 67
Cash, bullion and securities held on Treasury account	28 34	45 36	34 03	41 42	35 69	26 88
Balance of total interest-bearing obligations not covered by above assets	170 61	177 40	196 97	213 30	203 55	207 83

General Statement of the Revenue and Expenditure

Heads of Account	1933-34		1934-35
	Budget	Revised	Budget
REVENUE—	Rs	Rs	Rs
Customs { Petrol tax for Road Fund	1,07	1,17	1,18
{ Other items	50,18	45,70	47,30
Taxes on Income	18,06	17,13	17,25
Salt	8,75	8,55	8,73
Opium	1,20	1,59	95
Other principal heads of revenue	1,89	1,86	1,82
Irrigation Receipts less working expenses			
Interest	1,82	1,59	1,86
Civil Administration	83	77	78
Civil Works	22	24	24
Currency and Mint	1,75	1,23	1,27
Miscellaneous	57	68	57
Extraordinary Receipts		36	
Provincial contributions and miscellaneous adjustments between Central and Provincial Governments			
Posts and Telegraphs			
Receipts less working expenses	30	32	70
Railways			
Receipts less working expenses	32,39	32,87	32,58
Defence Receipts	4,32	5,25	5,20
TOTAL	1,24,35	1,19,31	1,20,43
Expenditure—			
Customs	98	99	1,01
Taxes on Income	85	83	85
Salt	1,15	1,14	1,15
Opium	57	72	42
Other heads recording direct demands on the revenue	61	59	58
Irrigation Interest and Miscellaneous charges	4	4	6
Civil Administration	9,59	9,59	9,59
Currency and Mint	64	61	66
Civil Works { Transfer to Road Fund	1,07	1,17	1,18
{ Other items	87	90	84
Superannuation Allowances and Pensions	1,81	2,96	3,08
Miscellaneous	1,28	1,30	1,25
Extraordinary payments	9	1,39	3
Posts and Telegraphs Interest on Debt	88	83	84
Railways Interest and Miscellaneous charges	33,39	32,87	32,58
Defence Services	50,52	4,967	49,58
Interest	10,79	9,66	10,34
Reduction or Avoidance of Debt	6,88	3,00	3,00
Miscellaneous adjustment, etc	1,000	1,00	3,16
Capital expenditure financed from Revenue—			
Posts and Telegraphs	4	4	4
Other Works	3	2	2
Commutation of Pensions	2	—1	—2
TOTAL	1,24,10	1,19,31	1,20,24

THE LAND REVENUE

The principle underlying the Land Revenue system in India has operated from time immemorial. It may be roughly formulated thus—the Government is the supreme landlord and the revenue derived from the land is equivalent to rent. On strictly theoretical grounds exception may be taken to this statement of the case. It serves, however, as a substantially correct description of the relation between the Government and the cultivator. The former gives protection and legal security. The latter pays for it according to the value of his holding. The official term for the method by which the Land Revenue is determined is "Settlement." There are two kinds of settlements in India—Permanent and Temporary. Under the former the amount of revenue has been fixed in perpetuity, and is payable by the landlord as distinguished from the actual cultivator. The Permanent Settlement was introduced into India by Lord Cornwallis at the close of the eighteenth century. It had the effect intended of converting a number of large revenue farmers in Bengal into landlords occupying a similar status to that of landowners in Europe. The actual cultivators became the tenants of the landlords. While the latter became solely responsible for the payment of the revenue, the former lost the advantage of holding from the State. This system has prevailed in Bengal since 1795 and in the greater part of Oudh since 1849. It also obtains in certain districts of Madras.

Temporary Settlements.

Elsewhere the system of Temporary Settlements is in operation. At intervals of thirty years, more or less, the land in a given district is subjected to a thorough economic survey, on the basis of the trigonometrical and topographic surveys carried out by the Survey Department of the Government of India. Each village area, wherever the Temporary Settlement is in vogue, has been carefully mapped, property-boundaries accurately delineated and records of rights made and preserved. Under the Permanent Settlement in Bengal the occupant does not enjoy these advantages. The duty of assessing the revenue of a district is entrusted to Settlement Officers, members of the Indian Civil Service specially delegated for this work. The duties of a Settlement Officer are thus described in Strachey's *India* (revised edition, 1911)—"He has to determine the amount of the Government demand and to make a record of all existing rights and responsibilities in the land. He has a staff of experienced subordinates, almost all of whom are natives of the country, and the settlement of the district assigned to him is a work which formerly required several years of constant work. The establishment of agricultural departments and other reforms have however led to much simplification of the Settlement Officer's Proceedings, and to much greater

rapidity in the completion of the Settlements. All the work of the Settlement Officer is liable to the supervision of superior officers, the assessments proposed by him require the sanction of the Government before they become finally binding, and his judicial decisions may be reviewed by the Civil Courts. It is the duty of the settlement officer to make a record of every right which may form the subject of future dispute whether affecting the interests of the State or of the people. The intention is to alter nothing, but to maintain and place on record that which exists."

The Two Tenures

Under the Temporary Settlement land tenures fall into two classes—present holdings and landlord holdings, or *Ryotwari* and *Zemindari* tenures. Broadly speaking, the difference between the two in a fiscal sense is that in *Ryotwari* tracts the *ryot* or cultivator pays the revenue direct in *Zemindari* tracts the landlord pays on a rental assessment. In the case of the former, however, there are two kinds of *Ryotwari* holdings—those in which each individual occupant holds directly from Government, and those in which the land is held by village communities, the heads of the village being responsible for the payment of revenue on the whole village area. This latter system prevails in the North. In Madras, Bombay, Burma and Assam, *ryotwari* tenure is on an individual basis, and the Government enters into a separate agreement with every single occupant. The basis of assessment on all classes of holdings is now more favourable to the cultivator than it used to be. Formerly what was believed to be a fair average sum was levied on the anticipated yield of the land during the ensuing period of settlement. Now the actual yield at the time of assessment alone is considered, so that the cultivator gets the whole of the benefit of improvements in his holding subsequently brought about either by his own enterprise or by "unearned increment." The Government, however, may at a new settlement reclassify a holding so as to secure for itself a fair share in an increment that may have resulted from public works in the vicinity, such as canals and railways, or from a general enhancement of values. But the principle that improvements effected by private enterprise shall be exempt from assessment is now accepted by the Government and provided for in definite rules.

Incidence of the Revenue

The incidence of the revenue charges varies according to the nature of the settlement, the class of tenure, and the character and circumstances of the holding. Under the Permanent Settlement in Bengal Government derive rather less than £3,000,000 from a total rental estimated at £12,000,000. Under Temporary

Settlements, 50 per cent of the rental in the case of *Zemindari* land may be regarded as virtually a maximum demand. In some parts the impost falls as low as 35 and even 20 per cent and only rarely is the proportion of one-half the rental exceeded. In regard to *Ryotwari* tracts it is impossible to give any figure that would be generally representative of the Government's share. But one-fifth of the gross produce is the extreme limit, below which the incidence of the revenue charge varies greatly. About sixteen years ago the Government of India were invited in an influential signed memorial to fix one-fifth of the gross produce as the maximum Government demand. In reply to this memorial and other representations the Government of India (Lord Curzon being Viceroy) issued a Resolution in defence of their Land Revenue Policy. In it was stated that "under the existing practice the Government is already taking much less in revenue than it is now invited to exact" and "the average rate is everywhere on the down grade." This Resolution, together with the statements of Provincial Governments on which it was based, was published as a volume, it is still the authoritative exposition of the principles controlling the Land Revenue Policy of the Government of India. In a series of propositions claimed to be established by this Resolution the following points are noted—(1) In *Zemindari* tracts progressive moderation is the key-note of the Government's policy, and the standard of 50 per cent. of the assets is more often departed from on the side of deficiency than excess, (2) in the same areas the State does not hesitate to interfere by legislation to protect the interests of the tenants against oppression at the hands of the landlords, (3) in *Ryotwari* tracts the policy of long-term settlements is being extended, and the proceedings in connection with new settlements simplified and cheapened, (4) local taxation (of land) as a whole is neither immoderate nor burdensome, (5) over assessment is not, as alleged, a general or widespread source of poverty, and it cannot fairly be regarded as a contributory cause of famine. At the same time the Government laid down as principles for future guidance—(a) large enhancements of revenue, when they occur, to be imposed progressively and gradually, and not *per saltum*, (b) greater elasticity in revenue collection, suspensions and remissions being allowed according to seasonal variations and the circumstances of the people, (c) a more general resort to reduction of assessments in cases of local deterioration

Protection of the Tenants

In regard to the second of the five propositions noted above, various Acts have been passed from time to time to protect the interests of tenants against landlords, and also to give greater security to the latter in possession of their holdings. The Oudh Tenancy Act of 1886 placed important checks on enhancement of rent and eviction, and in 1900 an Act was passed enabling a landowner to entail the whole or a portion of his estate, and to place it beyond the danger of alienation by his heirs. The Punjab Land Alienation Act,

passed at the instance of Lord Curzon, embodied the principle that it is the duty of a Government which derives such considerable proportion of its revenue from the land, to interfere in the interests of the cultivating classes. This Act greatly restricted the credit of the cultivator by prohibiting the alienation of his land in payment of debt. It had the effect of arresting the process by which the Punjab peasantry were becoming the economic serfs of money-lenders. A good deal of legislation affecting land tenure has been passed from time to time in other provinces, and it has been called for more than once in Bengal where under the Permanent Settlement (in the words of the Resolution quoted above), "so far from being generously treated by the *Zemindars*, the Bengal cultivator was rack-rented, impoverished, and oppressed."

Government and Cultivator

While the Government thus interferes between landlord and tenant in the interests of the latter, its own attitude towards the cultivator is one of generosity. Mention has already been made of the great advantage to the agricultural classes generally of the elaborate systems of Land Survey and Records of Rights carried out and maintained by Government. In the Administration Report of Bombay for 1911-12, it is stated—"The Survey Department has cost the State from first to last many lakhs of rupees. But the outlay has been repaid over and over again. The extensions of cultivation which have occurred (by allowing cultivators to abandon unprofitable lands) have thus been profitable to the State no less than to the individual, whereas under a *Zemindari* or kindred system the State would have gained nothing however much cultivation had extended throughout the whole of 30 years' leases." On the other hand, the system is of advantage to the *ryots* in reducing settlement operations to a minimum of time and procedure. In the collection of revenue the Government consistently pursues a generous policy. In times of distress, suspensions and remissions are freely granted after proper inquiry.

Land revenue is now a provincial head of revenue and is not shown in the All-India accounts. It may be taken roughly at £28 million, as compared with £84 million said to have been raised annually by Aurangzebe from a much smaller Empire.

The literature on the subject is considerable. The following should be consulted by readers who require fuller information—"Land Revenue Policy of the Indian Government," 1902 (Superintendent of Government Printing), Baden Powell's "Land Systems of British India," Sir John Strachey's "India, its Administration and Progress, 1911," (Macmillan & Co.), M. Joseph Chaillev's "Administrative Problems of British India" (Macmillan & Co., 1910), and the Annual Administration Reports of the respective Provincial Governments.

EXCISE

The Excise revenue in British India is derived from the manufacture and sale of intoxicating liquors, hemp drugs, toddy and opium. It is a common place amongst certain sections of temperance reformers to represent the traffic in intoxicating liquors as one result of British rule. There is, however, abundant evidence to show that in pre-British days the drinking of spirituous liquors was commonly practised and was a source of revenue.

The forms of intoxicating liquor chiefly consumed are country spirit, fermented palm juice, beer made from grain, country brands of rum, brandy, etc., locally manufactured malt beer and imported wine, beer and spirits. Country spirit is the main source of revenue, except in the Madras Presidency, and yields about two thirds of the total receipts from liquors. It is usually prepared by distillation from the Mhowra flower, molasses and other forms of unrefined sugar, fermented palm juice and rice. In Madras a very large revenue is derived from fresh toddy. The British inherited from the Native Administration either an uncontrolled Out-Still System or in some cases a crude Farming System and the first steps to bring these systems under control were the limitation of the number of shops in the area farmed, and the establishment of an improved Out-Still System under which the combined right of manufacture and sale at a special shop was annually granted. This of course was a kind of control, but it only enabled Government to impose haphazard taxation on the liquor traffic as a whole by means of vend fees. It did not enable Government to graduate the taxation accurately on the still-head duty principle nor to insist upon a standard of purity or a fixed strength of liquor. Moreover for political and other reasons the extent of control could not at first be complete. There were tribes of aborigines who regarded the privilege of making their own liquor in their private homes as a long established right and who believed that liquor poured as libations to their god should be such as had been made by their own hands. The introduction of any system amongst those peoples had to be worked very cautiously. Gradually as the Administration began to be consolidated the numerous native pot stills scattered all over the country under the crude arrangements then in force began to be collected into Central Government enclosures called Distilleries, thus enabling Government to perfect its control by narrowing the limits of supervision, and to regularize its taxation by imposing a direct still head duty on every gallon issued from the Distillery. Under Distillery arrangements it has also been possible to regulate and supervise thoroughly the manufacture of its liquor and its disposal subsequent to leaving the Distillery by means of a system of transport passes, establishment supervision, improved distribution and vend arrangements.

Various Systems

The Out-Still System may be taken to include all systems prior in order of development

to the imposition of Still-head duty. Briefly stated the stages of development have been—First farms of large tracts, Second farms of smaller areas, Third farms of the combined right to manufacture and sell at particular places without any exclusive privilege over a definite area, Fourth farms of similar right subject to control of means and times for distilling and the like. The Provincial Governments have had to deal with the subject in different ways suited to local conditions, and so the order of development from the lower forms of systems to the higher has not been always everywhere identical in details. Yet in its essence and main features the Excise Administration in most provinces of British India has progressed on uniform lines the keynote lying in attempts, where it has not been possible to work with the fixed duty system in its simplest forms, to combine the farming and fixed duty systems with the object of securing that every gallon of spirit should bear a certain amount of taxation. The Out-Still System has in its turn been superseded by either the Free-supply system or the District Monopoly system. The Free supply system is one of free competition among the licensed distillers in respect of manufacture. The right of vend is separately disposed of. The District monopoly system on the other hand is one in which the combined monopoly of manufacture and sale in a district is leased to a farmer subject to a certain amount of minimum still-head duty revenue in the monopoly area being guaranteed to the State during the term of the lease.

The recommendations of the Indian Excise Committee of 1905-06 resulted in numerous reforms in British India, one of them being that the various systems have been or are gradually being superseded by the Contract Distillery System under which the manufacture of spirit for supply to a district is disposed of by tender, the rate of still-head duty and the supply price to be charged are fixed in the contract and the right of vend is separately disposed of. This is the system that now prevails over the greater portion of British India. The other significant reforms have been the revision of the Provincial Excise Laws and Regulations, and the conditions of manufacture, vend, storage and transport, an improvement in the quality of the spirit, an improved system of disposal of vend licenses, reductions and re distributions of shops under the guidance and control of Local Advisory Committees and gradual enhancement of taxation with a view to checking consumption.

Excise has now been made over entirely to the Provincial Governments, and the duties vary from province to province. The governing principle in fixing these rates is the highest duty compatible with the prevention of illicit distillation. In the Bombay Presidency the issue of spirit to all country spirit shops has been rationed on the basis of consumption for the year 1920-21.

From that consumption reduced to proof gallons 10 per cent is deducted in the case of shops in Bombay City and 5 per cent elsewhere and the ration is then fixed for each shop according to the issues in the corresponding month of 1920-21. This is the most important step taken by the new Government to reduce consumption. Two large distilleries in the Presidency have been placed entirely under Government management, thus partially superseding the Contract Distilling system.

Sap of the date, palmyra, and cocoanut palms called toddy, is used as a drink either fresh or after fermentation. In Madras and Bombay the revenue is obtained from a fixed fee on every tree from which it is intended to draw the liquor and from shop license fees. In Bengal and Burma the sale of shop licenses is the sole form of taxation. Country brands of rum, and so called brandies and whiskies, are distilled from grape juice, etc. The manufacture is carried out in private distilleries in various parts of India. A number of breweries has been established, mostly in the hills, for the manufacture of a light beer for European and Eurasian consumption.

Foreign liquor is subject to an import duty at the tariff rates, which are set out in the Customs Tariff (q v). It can only be sold under a license.

Since the war Brandy and Whisky have been manufactured in considerable quantities at Baroda.

The base used is the Mhowra flower. It is drunk in big towns as a substitute for German spirit, and is excised at tariff rates.

Drugs—The narcotic products of the hemp plant consumed in India fall under three main categories, namely, ganja or the dry flowering tops of the cultivated female hemp plant charas, or the resinous matter which forms an active drug when collected separately, and bhang, or the dried leaves of the hemp plant whether male or female cultivated or unculti-

vated. The main features of the existing system are restricted cultivation under supervision, storage in Bonded Warehouses, payment of a quantitative duty before issue, retail sale under licenses and restriction on private possession. Licenses to retail all forms of hemp drugs are usually sold by auction. The sale of charas has been prohibited in the Bombay Presidency except Sindh from the 1st April 1922.

Opium—Opium is consumed in all provinces in India. The drug is commonly taken in the form of pills, but in some places, chiefly on social and ceremonial occasions, it is drunk dissolved in water. Opium smoking also prevails in the City of Bombay and other large towns. The general practice is to sell opium from the Government Treasury, or a Central Warehouse, to licensed vendors. The right of retail to the public is sold by annual auction to one or several sanctioned shops. Further legislation against opium smoking in clubs and dens is now under contemplation.

The revenue from opium is derived mainly from exports of what is called provision opium to foreign countries and from the sale to Provincial Governments of excise opium for internal consumption in India. The entire quantity is now exported under the system of direct sales to Foreign and Colonial governments, the system of auction sales in Calcutta to traders for export to foreign countries having been stopped with effect from 7th April, 1926. In no case are exports permitted without an import certificate by the Government of the country of import as prescribed by the League of Nations.

It has been decided to reduce the total of the opium exported since the calendar year 1926 by 10 per cent annually in each subsequent year until exports are totally extinguished at the end of 1935.

Excise opium is sold to Provincial Governments for internal consumption in India at a fixed price based on the cost of production. This opium is retailed to licensed vendors at rates fixed by the Provincial Governments and varying from Province to Province.

SALT.

The salt revenue was inherited by the British Government from Native rule, together with a miscellaneous transit dues. These transit dues were abolished and the salt duty consolidated and raised. There are four great sources of supply, rock salt from the Salt Range and Kohat Mines in the Punjab, brine salt from the Sambhar Lake in Rajputana, salt brine condensed on the borders of the lesser Rann of Cutch, and sea salt factories in Bombay, Madras and at the mouth of the Indus.

The Salt Range mines contains an inexhaustible supply. They are worked in chambers excavated in salt strata, some of which are 250 feet long, 45 feet wide and 200 feet high. The Rajputana supply chiefly comes from the Sambhar Lake where brine is extracted

and evaporated by solar heat. In the Rann of Cutch the brine is also evaporated by solar heat and the product is known as Baragara salt. Important works for the manufacture of that salt were opened in Dhrangadhra State in 1923. In Bombay and Madras sea water is let into shallow pans on the sea-coast and evaporated by solar heat and the product sold throughout India. In Bengal the damp climate together with the large volume of fresh water from the Ganges and the Brahmaputra into the Bay of Bengal render the manufacture of sea-salt difficult and the bulk of the supply, both for Bengal and Burma is imported from Liverpool, Germany, Aden, Bombay and Madras.

Broadly, one-half of the indigenous salt is manufactured by Government Agency, and the remainder under license and excise systems,

In the Punjab and Rajputana the salt manufactures are under the control of the Northern India Salt Department, a branch of the Commerce and Industry Department. In Madras and Bombay the manufactures are under the supervision of Local Governments. Special treaties with Native States permit of the free movement of salt throughout India, except from the Portuguese territories of Goa and Damaun on the frontiers of which patrol lines are established to prevent the smuggling of salt into British India.

From 1888-1903 the duty on salt was Rs 2-8 per maund of 82 lbs. In 1903, it was reduced to Rs 2, in 1905 to Rs 1-8-0, in 1907 to Re 1 and in 1916 it was raised to Rs 1-4-0. The successive

reductions in duty have led to a largely increased consumption, the figure rising by 25 per cent between 1903-1908. In 1922 the duty was doubled bringing it again to Rs 2-8. In 1924 it was reduced to Re 1-4-0. The duty remained at Rs 1-4-0 from March 1924 to 29th September 1931. It was raised to Rs 1-9-0 with effect from 30th September 1931. Prior to 17th March 1931, the excise duty and import duty on salt were always kept similar, but by the Indian Salt (Additional Import Duty) Act XIV of 1931, a temporary additional customs duty of $\frac{1}{2}$ annas per maund was imposed on foreign salt. In March 1933 the customs duty was reduced by 2 annas.

CUSTOMS.

The import duties have varied from time to time according to the financial condition of the country. Before the Mutiny they were five per cent, in the days of financial stringency which followed they were raised to 10 and in some cases 20 per cent. In 1875 they were reduced to five per cent, but the opinions of Free Traders, and the agitation of Lancashire manufacturers who felt the competition of the Indian Mills, induced a movement which led to the abolition of all customs dues in 1882. The continued fall in exchange compelled the Government of India to look for fresh sources of revenue and in 1894 five per cent duties were re-imposed, yarns and cotton fabrics being excluded. Continued financial stringency brought piece goods within the scope of the tariff, and after various expedients the demands of Lancashire were satisfied by a general duty of $3\frac{1}{2}$ per cent on all woven goods—an import duty on goods by sea, an excise duty on goods produced in the country. The products of the hand-loom are excluded. These excise duties are intensely unpopular in India, for reasons set out in the special article dealing with the subject. In 1910-11, in order to meet the deficit threatened by the loss of the revenue on opium exported to China, the silver duty was raised from 5 per cent to 4d an ounce, and higher duties levied on petroleum, tobacco, wines, spirits, and beer. These were estimated to produce £1 million annually.

The Customs Schedule was completely recast in the Budget of 1916-17 in order to provide additional revenue to meet the financial disturbance set up by the war. The general import tariff, which had been at the rate of 5 per cent *ad valorem* since was raised to $7\frac{1}{2}$ per cent *ad valorem*, except in the case of sugar, as India is the largest producer of sugar in the world the import duty on this staple was fixed at 10 per cent. There was also a material curtailment of the free list. The principal article of trade which was not touched was cotton manufactures. For the past twenty years the position has been that cotton twists and yarns of all kinds are free of duty while a duty at the rate of $3\frac{1}{2}$ per cent is imposed on woven goods of all kinds whether imported or manufactured in Indian mills. The Budget left the position as it stood. The Government of India would have been glad to see the tariff raised to 5 per cent without any corresponding alteration of the excises, but were over-ruled by the Cabinet on the ground that this controversial matter must come up for discussion after the war. Finally

the Budget imposed export duties on tea and jute. In the case of tea the duty was fixed at Re 1-8-0 per 100 lbs., in the case of jute the export duty on raw jute was fixed at Rs 2-4-0 per bale of 400 lbs., approximately equivalent to an *ad valorem* duty of 5 per cent, manufactured jute was charged at the rate of Rs 10 per ton on sacking and Rs 16 per ton on Hessians.

The Customs Tariff was further materially modified in the Budget for 1917-18. In the previous year an export duty on jute was imposed at the rate of Rs 2-4-0 per bale of 400 lbs. in the case of raw jute and Rs 10 per ton on sackings, and Rs 16 per ton on Hessians, these rates were doubled, with a view to obtaining an additional revenue of £500,000. The import duty on cotton goods was raised from $3\frac{1}{2}$ per cent to $7\frac{1}{2}$ per cent without any alteration in the Excise, which remained at $3\frac{1}{2}$ per cent. This change was expected to produce an additional revenue of £1,000,000. The question of the Excise was left untouched, for the reason, amongst others, that the Government could not possibly forego the revenue of £320,000, which it was expected to produce. With these changes in operation the revenue from Customs in 1920-21 was Rs 32,37,29,000.

The Customs Tariff was further raised in the Budget of 1921-22 in order to provide for the big deficit which had then to be faced. The general *ad valorem* duty was raised from $7\frac{1}{2}$ to 11 per cent, a special duty was levied on matches of 12 annas per gross boxes in place of the existing *ad valorem* duty of $7\frac{1}{2}$ per cent. The duties on imported liquors was raised to 8 annas per degree of proof per gallon, the *ad valorem* duty of $7\frac{1}{2}$ per cent was raised to 20 per cent in the case of certain articles of luxury, the import duty on foreign sugar was increased from 10 to 15 per cent and the duty on manufactured tobacco was raised by 50 per cent. The Customs duties were further increased in the Budget of 1922-23. The Government proposals in this direction have been described in an early passage. They were to raise the general Customs duty from 11 to 15 per cent, the cotton excise duty from $3\frac{1}{2}$ per cent to $7\frac{1}{2}$ per cent, the duty on sugar from 15 to 25 per cent, a duty of 5 per cent on imported yarn, a rising duty on machinery, iron, steel and railway material from $2\frac{1}{2}$ per cent to 10 per cent together with the general duty on articles of luxury from 20 per cent to 30 per cent. In the course of the passage of the Budget through the Legislatures the cotton excise duty was

retained at $3\frac{1}{2}$ per cent, the duty on machinery was retained at $2\frac{1}{2}$ per cent and the duty on cotton piece-goods at 11 per cent, the other increases being accepted. In 1925 the Cotton Excise duties were finally abolished. Full details with regard to the customs duty are set out in the section on Indian Customs Tariff (qv). The Customs duties have been repeatedly raised in recent Budgets both as a protective measure and for revenue purposes. The latest duties will be found in detail in the Financial Section of the Year Book. The estimated revenue from the Customs in 1934-35 is Rs 44,62 lakhs.

The Senior Collectors were Covenanted Civilians specially chosen for this duty, before the introduction of the Imperial Customs Service in

1906. Since that date, of the five Collectorship at the principal ports (Calcutta, Bombay, Madras, Rangoon, and Karachi) three are ordinarily reserved for Members of the I C S (i.e., "Covenanted Civilians"). The other two are reserved for members of the Imperial Customs Service.

Assistant Collectors in the Imperial Customs Service are recruited in two ways (a) from members of the Indian Civil Service—3 vacancies, and (b) by the Secretary of State—19 vacancies. There are in addition a few Gazetted Officers in what is known as the Provincial Customs Service. These posts are in the gift of the Government of India, and are usually filled by promotion from the subordinate (in the Government sense of the word) service. The "subordinate" staff is recruited entirely in India.

INCOME TAX.

The income tax was first imposed in India in 1860, in order to meet the financial dislocation caused by the Mutiny. It was levied at the rate of four per cent or a little more than $9\frac{1}{4}$ d in the pound on all incomes of five hundred rupees and upwards. Many changes have from time to time been made in the system, and the present schedule was consolidated in the Act of 1886. This imposed a tax on all incomes derived from sources other than agriculture which were exempted. On incomes of 2,000 rupees and upwards it fell at the rate of five pies in the rupee, or about $6\frac{1}{4}$ d in the pound, on incomes between 500 and

2,000 rupees at the rate of four pies in the rupee or about 5d in the pound. In March 1903 the minimum taxable income was raised from 500 to 1,000 rupees. The income tax schedule was completely revised, raised, and graduated in the Budget of 1916-17 in the general scale of increased taxation imposed to meet the deficit arising out of war conditions.

Since then the process has been almost continuous and in every financial difficulty the authorities turn to the Income Tax as a means of raising fresh revenue. The last revision was in the Supplementary Finance Bill of 1931, when the scale was fixed as follows—

(RATES OF INCOME-TAX)

A In the case of every individual, Hindu undivided family, unregistered firm and other association of individuals not being a registered firm or company—

	RATE
(1) When the total income is less than Rs 2,000	(Vide Footnote)
(2) When the total income is Rs 2,000 or upwards, but is less than Rs 5,000	Six pies in the rupee
(3) When the total income is Rs 5,000 or upwards, but is less than Rs 10,000	Nine pies in the rupee
(4) When the total income is Rs 10,000 or upwards, but is less than Rs 15,000	One anna in the rupee
(5) When the total income is Rs 15,000 or upwards, but is less than Rs 20,000	One anna and four pies in the rupee
(6) When the total income is Rs 20,000 or upwards, but is less than Rs 30,000	One anna and seven pies in the rupee
(7) When the total income is Rs 30,000 or upwards, but is less than Rs 40,000	One anna and eleven pies in the rupee
(8) When the total income is Rs 40,000 or upwards, but is less than Rs 100,000	Two annas and one pie in the rupee
(9) When the total income is Rs 100,000 or upwards	Two annas and two pies in the rupee
B In the case of every company and registered firm whatever its total income	Two annas and two pies in the rupee

N B—Additional tax (Sur-charge) for the financial year—

1931-32	at 12½ per cent
	and
1932-33	at 25 per cent

over the rates prescribed by the Indian Finance Act, 1931, except in cases of income between Rs 1,000 to Rs 1,999

Tax at 2 pies on incomes between Rs 1,000 to Rs 1,999 for the year 1931-32 and

Tax at 4 pies for the year 1932-33 on the same income

The surcharge was continued in the budget of 1933-34, as resolved by the assembly the rate on incomes between Rs 1,000 & Rs 1,500 was reduced from 4 pies to 2 pies. The surcharge continues in 1934-35

RATES OF SUPER-TAX

In respect of the excess over thirty thousand of total income —

	RATE
(1) in the case of every company—	
(a) in respect of the first twenty thousand rupees of such excess	Nil
(b) for every rupee of the remainder of such excess	One anna in the rupee
(b) for every rupee of the remainder of such excess	One anna in the rupee
(2) (a) in the case of every Hindu undivided family —	
(i) in respect of the first forty five thousand rupees of such excess	One anna and three pias in the rupee
(ii) for every rupee of the next twenty-five thousand rupees of such excess	Nil
(b) in the case of every individual, unregistered firm and other association of individuals not being a registered firm or a company —	
(i) for every rupee of the first twenty thousand rupees of such excess	Nine pias in the rupee
(ii) for every rupee of the next fifty thousand rupees of such excess	One anna and three pias in the rupee
(c) in the case of every individual, Hindu undivided family, unregistered firm and other association of individuals not being a registered firm or a company	
(i) for every rupee of the next fifty thousand rupees of such excess	One anna and nine pias in the rupee
(ii) for every rupee of the next fifty thousand rupees of such excess	Two annas and three pias in the rupee
(iii) for every rupee of the next fifty thousand rupees of such excess	Two annas and nine pias in the rupee
(iv) for every rupee of the next fifty thousand rupees of such excess	Three annas and three pias in the rupee
(v) for every rupee of the next fifty thousand rupees of such excess	Three annas and nine pias in the rupee
(vi) for every rupee of the next fifty thousand rupees of such excess	Four annas and three pias in the rupee
(vii) for every rupee of the next fifty thousand rupees of such excess	Four annas and three pias in the rupee
(viii) for every rupee of the next fifty thousand rupees of such excess	Five annas and three pias in the rupee
(ix) for every rupee of the next fifty thousand rupees of such excess	Five annas and nine pias in the rupee
(x) for every rupee of the remainder of such excess	Six annas and three pias in the rupee

The head of the Income-Tax Department of a province is the Commissioner of Income-tax who is appointed by the Governor-General in Council. The rest of the income-tax staff in a province are subordinate to him and they are appointed and dismissed by him. His power of appointment and dismissal is, under section 5 (4) subject to the control of the Governor-General in Council, but the Governor-General in Council exercises this control through the local Government. The estimated yield of Income tax in 1934-35 is Rs 17.25 lakhs.

HISTORY OF THE COINAGE

The Indian mints were closed to the unrestricted coinage of silver for the public from the 26th June 1893, and Act VIII of 1893, passed on that date, repealed Sections 19 to 26 of the Indian Coinage Act of 1879, which provided for the coinage at the mints for the public of gold and silver coins of the Government of India. After 1893 no Government rupees were coined until 1897, when, under arrangements made with the Native States of Bhopal and Kashmir, the currency of those States was replaced by Government rupees. The re-coinage of these rupees proceeded through the two years 1897 and 1898. In 1899 there was no coinage of rupees, but in the following year it seemed that coinage was necessary, and it was begun in February 1900, the Government purchasing the silver required, and paying for it mainly with the gold accumulated in the Paper Currency

Reserve. In that and the following month a crore of rupees was coined and over 17 crores of rupees in the year ending the 31st March 1910. Including the rupees issued in connection with the conversion of the currencies of Native States. From the profit accruing to Government on the coinage it was decided to constitute a separate fund called the Gold Reserve Fund as the most effective guarantee against temporary fluctuations of exchange. The whole profit was invested in sterling securities, the interest from which was added to the fund. In 1906 exchange had been practically stable for eight years, and it was decided that of the coinage profits devoted to this fund, six crores should be kept in rupees in India, instead of being invested in gold securities. The Gold Reserve Fund was then named the Gold Standard Reserve. It was ordered in 1907 that only

one-half of the coinage profits should be paid into the reserve, the remainder being used for capital expenditure on railways

Gold.

Since 1870 there had been no coinage of double mohurs in India and the last coinage of single mohurs before 1918 in which year coinage was resumed, was in the year 1891-92

A Royal proclamation was issued in 1918 establishing a branch of the **Royal Mint at Bombay**. It stated—Subject to the provision of this proclamation the Bombay Branch Mint shall for the purpose of the coinage of gold coins be deemed to be part of the Mint, and accordingly, (a) the Deputy Master of the Bombay Branch Mint shall comply with all directions he may receive from the Master of the Mint whether as regards the expenditure to be incurred or the returns to be made or the transmission of specimen coins to England or otherwise and (b) the said specimen coins shall be subject to the trial of the pxx under section 12 of the Coinage Act, 1870, so that they shall be examined separately from the coins coined in England or at any other branch of the Mint, and (c) the Deputy Master of the Bombay Branch Mint and other officers and persons employed for the purpose of carrying on the business of the Branch Mint may be appointed, promoted, suspended and removed and their duties assigned and salaries awarded and in accordance with the provisions of section 15 of the Coinage Act, 1870. Pending the completion of the arrangements at the Branch, Royal Mint, power was taken by legislation to coin in India gold mohurs of the same weight and fineness as the sovereign. Altogether 2,109,703 pieces of these new coins of the nominal value of Rs 3,16,45,545, were struck at the Bombay Mint. The actual coinage of sovereigns was begun in August, 1918, and 1,295,372 sovereigns were coined during the year. This branch of the Royal Mint was closed in April, 1919, owing to difficulties in supplying the necessary staff.

The Indian Currency Act of 1927 established a new ratio of the rupee to gold. It established this ratio at one shilling and six pence by enacting that Government would purchase gold at a price of twenty-one rupees three annas ten ples per tola of fine gold in the form of bars containing not less than forty tolas and would sell gold or, at the option of Government, sterling, for immediate delivery in London at the same price after allowing for the normal cost of transport from Bombay to London. A rate of one shilling and five pence forty-nine sixths was notified as Government's selling rate for sterling to meet these obligations. Great Britain and India left the gold standard in September 1931 but the buying and selling rates for sterling are still maintained.

With the receipt of large consignments of gold, the Bombay Mint made special arrangements for the refining of gold by the chlorine process and at the end of the year 1919-20 the Refinery Department was capable of refining a daily amount of 6,000 ounces of raw gold

Silver

The weight and fineness of the silver coins are —

	FINE SILVER grains	ALLOY grains	TOTAL grains
Rupee	165	15	180
Half-rupee	82½	7½	90
Quarter-rupee or 4-anna piece	41½	3¾	45
Eighth of a rupee or 2 anna piece	20¾	1¾	22½

One rupee = 165 grains of fine silver

One shilling = 80½ grains of fine silver

One rupee = shillings 2 0439

Copper and Bronze

Copper coinage was introduced into the Bengal Presidency by Act XVII of 1835 and into the Madras and Bombay Presidencies by Act XXII of 1844

The weight of the copper coins struck under Act XXIII of 1870 remained the same as it was in 1835. It was as follows —

	Grains troy
Double pice or half-anna	200
Pice or quarter-anna	100
Half-pice or one eighth of an anna	50
Pie being one-third of a pice or one-twelfth of an anna	33½

The weight and dimensions of bronze coins are as follows —

	Standard weight in grains troy	Diameter in millimetres
Pice	75	25 4
Half-pice ..	37½	21 15
Pie .	25	17 45

Nickel

The Act of 1906 also provides for the coinage of a nickel coin. It was directed that the nickel one-anna piece should thenceforth be coined at the Mint and issue. The notification also prescribed the design of the coin, which has a wavy edge with twelve scollops, the greatest diameter of the coin being 21 millimetres and its least diameter 19 8 millimetres. The desirability of issuing a half-anna nickel coin was considered by the Government of India in 1909 but after consultation with Local Governments it was decided not to take action in this direction until the people had become thoroughly familiar with the present one-anna coin. The two-anna nickel coin was introduced in 1917-18, and the four-anna and eight-anna nickel coins in 1919. The eight-anna nickel is now being withdrawn from circulation.

The Currency System.

The working of the Indian currency system which has commanded a large amount of public attention since 1893, was forced to the front in 1920, as the result of measures taken to stabilise the exchange value of the rupee after the fluctuations caused by the war. These assumed so

much importance, and they continue to bulk so largely in all Indian economic questions, that we propose to give here a short summary of the Indian currency system in non-technical language.

I. THE SILVER STANDARD.

Prior to 1893 the Indian currency system was a mono-metallic system, with silver as the standard of value and a circulation of silver rupees and notes based thereon. But with the opening of new and very productive silver mines in the United States of America the supply of silver exceeded the demand and it steadily *receded* in value. The result was that the gold value of the rupee, which was nominally two shillings, fell continuously until it reached the neighbourhood of a shilling. These disturbances were prejudicial to trade, but they were still more prejudicial to the finances of the Government. The Government of India has to meet every year in London a substantial sum in the form of payment of interest on the debt, the salaries of officials on leave, the pensions of retired officials, as well as large payment for stores required for State enterprises. As the rupee fell in its gold value the number of rupees required to satisfy these payments rose. The total reached a pitch which seriously alarmed the Government, which felt that it might be called upon to raise a sum in rupees which would necessitate a considerable increase in taxation, which should be avoided if possible. It was therefore decided to take measures to raise and fix the gold value of the rupee for the purposes of exchange.

Closing the Mints—The whole question was examined by a strong committee under the presidency of Lord Herschell, whose report is commonly called the Herschell Report. It was decided in 1893 to close the mints to the unrestricted coinage of silver. This step led, as was intended, to a gradual divergence between the exchange value of the rupee and the gold value of its silver content. Government ceased to add rupees to the circulation. Rupees remained unlimited legal tender and formed the standard of value for all internal transactions. Since Government refused, and no one else had the power to coin rupees, as soon as circumstances led to an increased demand for rupees, the exchange value of the rupee began to rise. By 1898 it had approached the figure of one shilling and four pence. Meantime, in response to the undertaking of Government to give notes or rupees for gold at the rate of fifteen rupees to the pound sterling, gold began to accumulate in the Paper Currency Reserve. These purposes having been attained, a second committee was appointed under the chairmanship of Sir Henry Fowler to consider what further steps should be adopted in the light of these conditions. The report of the Fowler Committee as it was called marked the second stage in Indian currency policy.

II THE NEW STANDARD.

The Fowler Committee rejected the proposal to re-open the Mints to the free coinage of silver. They proposed that the exchange value of the rupee should be fixed at one shilling and four pence, or fifteen rupees to the sovereign. They further suggested that the British sovereign should be made a legal tender and a current coin in India, that the Indian mints should be thrown open to the unrestricted coinage of gold, so that the rupee and the sovereign should freely circulate side by side in India. The goal which the Committee had in view was a gold standard supported by a gold currency. Now under the condition which compelled the Government of India to give either rupees or rupee notes for gold tendered in India, at the rate of fifteen rupees to the sovereign, it was impossible for the rate of exchange to rise above one shilling and four pence, save by the fraction which covered the cost of shipping gold to India. But if the balance of trade turned against India, it was still possible for the rate of exchange to fall. To meet this the Fowler Committee recommended that the profits on coining rupees should not be absorbed in the general revenues, but should be set aside in a special reserve, to be called the Gold Standard Reserve. Inasmuch as the cost of coining rupees was approximately elevenpence halfpenny, and they were sold to the public at

one and four pence, the profits were considerable, they were to have been kept in gold, so as to be freely available when required for the support of exchange.

A 16 pence Rupee—The Government of India professed to accept all the recommendations of the Fowler Committee, actually only a portion of them was put in practice. The official rate of exchange was fixed at one and fourpence. The sovereign and the half sovereign were declared unlimited legal tender in India. But after a first attempt, when sovereigns soon came back to the treasuries, no effort was made to support the gold standard by an active gold currency. The gold mint was not set up. The Gold Standard Reserve was established, but, instead of holding the Reserve in gold, it was invested in British securities. These practices gave rise to conditions which were never contemplated by the Fowler Committee. Reference has been made to the Home Charges of the Government of India which at the time amounted to about seventeen millions sterling a year. These are met by the sale of what are called Council Bills. That is to say, the Secretary of State, acting on behalf of the Government of India, sold Bills against gold deposited in the Bank of England in London. These Bills when presented

in India were cashed at the Government Treasuries. Now if the Secretary of State sold Council Bills only to meet his actual requirements, it follows that the balance of trade in favour of India over and above this figure would be liquidated, as it is in other countries, by the importation of bullion or by the creation of credits. It is a fact that owing to the failure of the policy of encouraging an active gold circulation to support the gold standard, gold tended to accumulate in India in embarrassing quantities. In 1904 therefore the Secretary of State declared his intention of selling Council Bills on India without limit at the price of one shilling fourpence one eighth—that is to say gold import point. The effect of this policy was to limit the import of gold to India, for it was generally more convenient to deposit the gold in London and to obtain Council Bills against it, than to ship the gold to India. Nevertheless as the Egyptian cotton crop was very largely financed in sovereigns it was sometimes cheaper and more convenient to ship sovereigns from Egypt, or even from Australia, than to buy Council Bills. Considerable quantities of sovereigns found their way into India and circulated freely, particularly in the Bombay Presidency, the Punjab and parts of the Central Provinces.

Sterling Remittance—This system worked until 1907-08. A partial failure of the rains in India in 1907, and the general financial stringency all over the world which followed the American financial crisis in the autumn, caused the Indian exchange to become weak. In November this was one of the occasions contemplated, in a different form, by the Fowler Committee when it proposed the formation of the Gold Standard Reserve. There had been very heavy coining of rupees in India and the amount in the Reserve was ample. But the Reserve was in securities not in gold, and was therefore not in a

liquid form, nor was the time an opportune one for the realisation of securities. Moreover the authorities did not realise that a reserve is for use in times of emergency. It had been assumed that in times of weakness it would be sufficient for the Secretary of State to stop selling Council Bills, and it would firm up, meantime he would finance himself by drawing on the funds in the Gold Standard Reserve. But it was apparent that the stoppage of the sales of Councils was not enough, there was an insistent demand for the export of gold, or the equivalent of gold. The Government of India refused and exchange fell to one and threepence twenty-three thirds. Ultimately the authorities had to give way. It was decided to sell in India a certain quantity of sterling bills on London at one and threepence twenty-nine thirds, representing gold export point, and the equivalent of the export of gold. These were met in London from the funds in the Gold Standard Reserve. Bills to the extent of between eight and nine millions sterling were sold, which regularised the position and the Indian export trade recovered. Thus were gradually evolved the main principles of the Indian currency system. It consisted of silver rupees and rupee notes in India, with the sovereign and half sovereign unlimited legal tender at the rate of fifteen rupees to the sovereign, or one and fourpence. The rate of exchange was prevented from rising above gold import point by the unlimited sale of Council Bills at gold point in London, it was prevented from falling below gold point by the sale of Sterling Bills (commonly called Reverse Councils) at gold export point in India. But it was not the system proposed by the Fowler Committee, for there was no gold mint and only a limited gold circulation, some people invented for it the novel term of the gold *exchange standard*, a term unknown to the law of India. It was described by one of the most active workers in it as a "limping standard."

III THE CHAMBERLAIN COMMITTEE

This brings us to the year 1913. There were many critics of the system. Some hankered for a return to the open mints, others objected to the practice of unlimited sales of Council Bills as forcing rupees into circulation in excess of the requirements of the country. But the general advantages of a fixed exchange were so great as to smother the voices of the critics, and the trade and commerce of the country adjusted itself to the one and fourpenny rupee. But there gradually grew up a formidable body of criticism directed against the administrative measures taken by the India Office. These criticisms were chiefly directed at the investment of the Gold Standard Reserve in securities instead of keeping it in gold in India, at a raid on that reserve in order temporarily to relieve the Government of the difficulty of financing its railway expenditure, at the transfer of a solid block of the Paper Currency Reserve from India to London, at the holding of a portion of the Gold Standard Reserve in silver in order to facilitate the coining of rupees, and at the unlimited sales of Council Bills at rates which prevented the free flow of gold to India, thus forcing token rupees into circulation in quantities in excess of the require-

ments of the country. The cumulative effect of this policy was to transfer from India to London an immense block of India's resources, aggregating over seventy millions, where they were lent out at low rates of interest to the London bankers, whilst India was starved of money until at one point money was not available for loans even against Government securities and the bank rate was artificially high. All these things were done, it was contended, on the *obiter dicta* of a small Finance Committee of the India Office, from which all Indian influence was excluded, and on which London banking influence was supreme. The India Office for long ignored this criticism, until it was summarised in a series of articles in *The Times*, and public opinion was focussed on the discussion through the action of the India Office in purchasing a big block of silver for coining purposes from Messrs. Montagu & Co., instead of through their recognised and constituted agents, the Bank of England. The Government could no longer afford to stand aloof and yet another Currency Committee was appointed under the chairmanship of Mr Austen Chamberlain. This is known as the Chamberlain Committee.

New Measures—The conclusions of this Commission were that it was unnecessary to support the Gold Standard by a gold currency, that it was not to the advantage of India to encourage the internal use of gold as currency, that the internal currency should be supported by a thoroughly adequate reserve of gold and sterling, that no limit should be fixed to the amount of the Gold Standard Reserve, one half of which should be held in gold, that the silver branch of the Gold Standard Reserve should be abolished, that Reverse Councils should be sold on demand, that the Paper Currency should be made more elastic, and that there should be two Indian representatives out of three on the Finance Committee of the India Office. The Com-

mittee dealt conclusively with the accumulation of excessive balances in London, the general tenor of their recommendations being "not guilty, but do not do it again." They gave a passing commendation to the idea of a State Bank. Sir James Begg, the only Indian banker on the Committee, appended a vigorous minute of dissent, in which he urged that the true line of advance was to discourage the extension of the token currency by providing further facilities for the distribution of gold when increases to the currency became necessary, including the issue of an Indian gold coin of a more convenient denomination than the sovereign or the half sovereign.

IV. CURRENCY AND THE WAR

The report was in the hands of the Government of India shortly before the outbreak of the war. Some immediate steps were taken, like the abolition of the silver branch of the Gold Standard Reserve, but before the Government could deal entirely with the temporising recommendations of the Commission, the war broke out. The early effects of the war were precisely those anticipated. There was a demand for sterling remittance which was met by the sale of Reverse Councils, 68,707,000, being sold up to the end of January 1915. There were withdrawals from the Post Office Savings Banks, and a net sum of Rs 8 crores was taken away. There was some lack of confidence in the Note issue, and a demand for gold. Notes to the extent of Rs 10 crores were presented for encashment and the Government were obliged to suspend the issue of gold. But these were transient features and did not demand a moratorium, confidence was soon revived and Exchange and the Note issue continued strong. The difficulties which afterwards arose were from causes completely unanticipated by all students of the Indian currency. They arose from an immense balance of trade in favour of India, caused by the demand for Indian produce for the United Kingdom and the Allies and the decline in the export trade from these countries, a heavy expenditure in India on behalf of the British Government, and a phenomenal rise in the price of silver. If we take the three years 1916-17 to 1918-19 the balance of trade in favour of India was £6 millions a year above the corresponding years of the previous quinquennium. The disbursements in India on behalf of the Government of the United Kingdom and the Allies were by December 1919 £240,000,000. This balance of trade and expenditure for Imperial purposes could not be financed either by the import of the precious metals, owing to the universal embargo on the movement of gold and silver nor by credits in India. It could be financed only by the expansion of the Note issue, against sterling securities in the United Kingdom, chiefly Treasury Bills, and the issue of coined

rupees. But simultaneously there was a reduction in the output of the silver mines of the world coinciding with an increased demand for the metal. The price of silver in 1915 was 27½ pence per standard ounce. In May 1919 it was 58 pence, on the 17th December of that year it was 78 pence. The main difficulties in India were not therefore the prevention of the rupee from falling below the ratio of 15 to one, but to keep it within any limits and to provide a sufficiency to meet the demand.

Rise in Exchange—The measures adopted by the Government of India in these emergencies were to bring exchange under rigid control, confining remittance to the finance of articles of national importance. The next step was to raise the rate for the sale of Council Bills, so that silver might be purchased at a price which would allow rupees to be coined without loss. The following table shows how rates were raised from one shilling fourpence to two shillings fourpence—

Date of Introduction	Minimum Rate for Immediate Telegraphic Transfers
3rd January 1917	1 4½
28th August 1917	1 5
12th April 1918	1 6
13th May 1919	1 8
12th August 1919	1 10
15th September 1919	2 0
22nd November 1919	2 2
12th December 1919	2 4

V. THE 1919 COMMITTEE.

The effect of these measures however was to jettison the currency policy pursued from 1893 to 1915, the main object of which was to stabilise the rupee at one and fourpence. The war being over, a Committee was appointed to advise in regard to the future of Indian exchange and

currency. It sat in 1919 and reported towards the end of the year. Its main recommendations are summarised below—

(1) It is desirable to restore stability to the rupee and to re-establish the automatic working of the Indian currency system.

(vi) The reduction of the fineness or weight of the rupee, the issue of 2 or 3-rupee coins of lower proportional silver content than the present rupee, or the issue of a nickel rupee, are expedients that cannot be recommended.

(vii) The maintenance of the convertibility of the note issue is essential, and proposals that do not adequately protect the Indian paper currency from the risk of becoming inconvertible cannot be entertained.

(viii) The rise in exchange, in so far as it has checked and mitigated the rise in Indian prices, has been to the advantage of the country as a whole, and it is desirable to secure the continuance of this benefit.

(ix) Indian trade is not likely to suffer any permanent injury from the fixing of exchange at a high level.

If, contrary to expectation, a great and rapid fall in world prices were to take place, and if the costs of production in India fail to adjust themselves with equal rapidity to the lower level of prices, then it might be necessary to consider the problem afresh.

(x) The development of Indian industry would not be seriously hampered by a high rate of exchange.

(xi) The gain to India of a high rate of exchange for meeting the Home charges is an incidental advantage that must be taken into consideration.

(xii) To postpone fixing a stable rate of exchange would be open to serious criticism and entail prolongation of Government control.

(xiii) The balance of advantage is decidedly on the side of fixing the exchange value of the rupee in terms of gold rather than in terms of sterling.

(xiv) The stable relation to be established between the rupee and gold should be at the rate of Rs 10 to one sovereign, or, in other words at the rate of one rupee for 11 30,016 grains of fine gold, both for foreign exchange and for internal circulation.

(xv) If silver rises for more than a brief period above the parity of 2s (gold), the situation should be met by all other available means rather than by impairing the convertibility of the note issue. Such measures might be (a) reduction of sale of Council Bills; (b) abstention from purchase of silver; (c) use of gold to meet demands for metallic currency. If it should be absolutely necessary to purchase silver, the Government should be prepared to purchase even at a price such that rupees would be coined at a loss.

(xvi) Council Drafts are primarily sold not for the convenience of trade but to provide for the Home charges in the wider sense of the term. There is no obligation to sell drafts to meet all trade demands, but, if without inconvenience or with advantage the Secretary of State is in a position to sell drafts in excess of his immediate needs, when a trade demand for them exists, there is no objection to his doing so, subject to due regard being paid to the principles governing the location of the reserves.

Council Drafts should be sold as now by open tender at competitive rates, a minimum rate being fixed from time to time on the basis of the sterling cost of shipping gold to India. At present this rate will vary, but when sterling is again equivalent to gold, it will remain uniform.

The Government of India should be authorised to announce, without previous reference to the Secretary of State on each occasion, their readiness to sell weekly a stated amount of Reverse Councils (including telegraphic transfers) during periods of exchange weakness at a price based on the cost of shipping gold from India to the United Kingdom.

(xvii) The import and export of gold to and from India should be free from Government control.

(xviii) The statutory minimum for the metallic portion of the Paper Currency Reserve should be 40 per cent of the gross circulation.

As regards the fiduciary portion of the reserve, the holding of securities issued by the Government of India should be limited to 20 crores. The balance should be held in securities of other Governments comprised within the British Empire, and of the amount so held not more than 10 crores should have more than one year's maturity and all should be redeemable at a fixed date. The balance of the invested portion above these 30 crores should be held in short-dated securities, with not more than one year's maturity, issued by Government within the British Empire.

The sterling investments and gold in the Paper Currency Reserve should be revalued at 2s to the rupee. The depreciation which will result from this revaluation, cannot be made good at once, but any savings resulting from the rise in exchange will afford a suitable means of discharging this liability in a limited number of years.

(xix) With a view to meeting the seasonal demand for additional currency, provision should be made for the issue of notes up to five crores over and above the normal fiduciary issue as loans to the Presidency Banks on the security of export bills of exchange.

Minority Report—The main object of the Committee, it will be seen, was to secure a stable rate of exchange, without impairing the convertibility of the Note issue, and without debasing the standard silver rupee in India, or substituting another coin of inferior metallic content, which would be debasement in another form. In order to attain these ends it was imperative to fix a ratio for the rupee in relation to gold which would ensure that the Government was able to purchase silver for coinage purposes without more than temporary loss. For reasons given in the report they fixed this point at two shillings gold all other recommendations are subsidiary thereto. But in this they were not unanimous, Mr Dadiba Dalal, of Bombay, appended a minority report in which he urged the adoption of the following course—

(a) The money standard in India should remain unaltered, that is, the standard of the sovereign and gold mohur with rupees related thereto at the ratio of 15 to 1.

(b) Free and unfettered imports and exports by the public of gold bullion and gold coins.

(c) Free and unfettered imports and exports by the public of silver bullion and silver coins.

(d) The existing silver rupees of 165 grains of fine silver at present in circulation to continue full legal tender.

(e) As long as the price of silver in New York is over 92 cents, Government should not manufacture silver rupees containing 10 per cent fine silver.

(f) As long as the price of silver is over 92 cents Government should coin 2 rupee silver coins of reduced fineness compared with that of the present silver rupee and the same to be unlimited legal tender.

(g) Government to sell Council Bills to competitive tenders for the amount defined in the Budget as required to be sent to the Secretary of State.

The Bill to regulate to show under separate heading the amount of Council Bills drawn for Home Charges, for Capital Outlay and Discharge of Debt. Council Bills to be sold for Government requirement only and not for trade purposes, except for the purpose of cotton in the next year of the year 1910.

(h) "Reverse" drafts to be sold only at 1s. 2d. The proceeds of "Reverse" drafts to be kept apart from all other Government funds and not to be utilised for any purpose except to meet drafts drawn by the Secretary of State at a rate not below 1s. 1d. 2d. per rupee.

VI. THE TWO SHILLING RUPEE

The fundamental recommendation of the Committee was that the rupee should be limited to gold and not to sterling, in view of the decline in the value of sterling, that it should be fixed at the rate of two shillings instead of the standard value, one and fourpence. All other recommendations were ancillary to this. But it is very important to bear in mind the twofold problem which confronted the Committee. It would be quite easy to fix any low rate provided the paper currency were made inconvertible, or the rupee debased to such a point that the Government in providing rupee currency, were independent of the price of silver. But if the convertibility of the rupee were to be maintained, and if the rupee were not to be debased, it was essential that the new ratio should be one at which the Government could reasonably rely on purchasing, without loss the silver necessary to meet the heavy demands for rupee in India. For reasons set out in the Report, the Committee came to the conclusion that the Government could reckon on purchasing silver for coining at a little under two shillings gold, and that powerfully influenced them in fixing the new ratio at two shillings gold.

The Report Adopted—The Currency Committee's Report was signed in December 1910, but it was not until February 1920 that action was taken thereon. In the first week of that month a Notification was issued in India accepting the principal recommendations in the Report and notifying that the necessary official action would be taken thereon. This action covered a wide field, but for the sake of clarity in this narrative we shall concentrate on the main issue, the changing of the official monetary standard from fifteen rupees to the sovereign to ten rupees to the sovereign and its effect on Indian currency and trade. That may be summarised in a sentence. A policy which was avowedly adopted to secure fixity of exchange produced the greatest fluctuations in the exchanges of any solvent country and widespread disturbance of trade, heavy losses to Government, and brought hundreds of big traders to the verge of bankruptcy.

Financial Confusion—This result was produced by many causes. It has been explained above that the essential features of the Indian currency system are the free sales of Council Bills at gold export point in London to prevent exchange from rising above the official standard and the sale of Reverse Councils in India at gold export point to prevent exchange from falling below the official standard. Now when the

Currency Report was issued the Indian exchanges were practically at two shillings gold. But the recommendation of the Report on the taking of official action, there was a sensation of fall in the sterling exchange, as measured in dollars, the dollar sterling rate, inasmuch as America was the only free gold market, being the dominating factor in the situation. Consequently the Indian exchanges were considerably below the two shillings gold rate when the Notification was issued. The Currency Committee's Report was issued, the Indian exchanges were two shillings and fourpence, and weak at that, the gold rate was about two shillings ninepence. There was an immediate and profitable demand for Reverse Councils, to the advantage of this like rate of exchange the market rate jumped up to two shillings eight pence.

Effect of the Rise—The effect of a rise in exchange has been well described in the words of the Currency Committee's Report, "It is that a rising exchange stimulates imports and impedes exports, the effect of a falling exchange is the reverse."

Now when the official notification of the two shilling rupee was made the Indian export trade was weak. The great consuming markets of Great Britain and America were glutted with Indian produce. The continent of Europe, which was starved of Indian produce and in urgent need of it, had not the wherewithal to pay for it nor the means of commanding credit. The only Indian staples which were in demand were foodstuffs, and as the rains of 1920 failed over a wide area, the Government were not able to lift the embargo on the export for foodstuffs, save to a limited extent in the case of wheat. On the other hand, the import trade was strong. Orders had been placed for machinery and other manufactured goods during the war and after the Armistice for delivery at the discretion of manufacturers. These began to come forward.

Difficulties Accentuated—In accordance with the principles laid down by the Currency Committee these difficulties were accentuated by the action of Government in raising exchange by an administrative act. The weak export trade was almost killed. At the same time the temptation of a high exchange gave powerful stimulus to the import trade and orders were placed for immense quantities of manufactured goods, in which textiles filled a important place. Afterwards other forces intervened which accentuated the difficulties of the situation. There was a severe commercial crisis in Japan and this

checked the export of Indian cotton. Japan is the largest buyer of Indian cotton, and when her merchants not only stopped buying but began to re-sell in the Indian markets, the trade was severely shaken and stocks accumulated at a great rate. Even before the 1920 crop came into the market the stocks in Bombay were double those in the corresponding period of the previous year. The expectations of a revival in the buying power of the Continent which were held in many quarters were disappointed and throughout the year there was a heavy balance of trade against India, which made the stabilisation of exchange at the high ratio attempted a hopeless proposition.

Confession of Failure—Government struggled long against these conditions in the desperate hope that a revival of the export trade would come to their assistance, but they were further handicapped by the variations of the sterling-dollar exchange, which at one time took the rate for Reverse Councils to two shillings tenpence half penny. They sold two millions of Reverse Councils at a price, then five millions, then dropped down to a steady million. But their policy only aggravated the situation. In addition to arresting the export trade and stimulating the import trade at a time when the precise converse was demanded, their action created an artificial movement for the transfer of capital from India to England. Large war profits accumulated in India since 1914 were hurriedly liquidated and transferred to England. Then the difference between the Reverse Council rate and the market rate, which on some occasions was several pence, induced gigantic speculations. The Exchange Banks set aside all their available resources for the purpose of bidding for Bills, and at once sold their allotments at substantial profits. Considerable groups of speculators pooled their resources and followed the same course. In this way the weekly biddings for the million of Reverse Councils varied from a hundred and 20 millions to a hundred and thirty millions and the money market was completely disorganised. The biddings assumed such proportions that it was necessary to put up fifty lakhs of rupees to obtain the smallest allotment made, five thousand pounds, and Reverse Councils and the large profits thereon came under the entire control of the Banks and the wealthy speculators. Various expedients were tried to remedy the situation but without the slightest effect.

Sterling for Gold—The first definite break from the recommendations of the Currency Committee came at the end of June, when the Government announced the instead of trying to stabilise the dollar-sterling rate became par. The effect of this was to alter the rate at which Reverse Councils were sold from the fluctuating rate involved in the fluctuations of dollar-sterling exchange to a fixed sterling rate, namely, one shilling elevenpence nineteen-thirty seconds. But this had little practical effect. The biddings for Reverse Councils continued on a very big scale, and the market rate for exchange was always twopence or threepence below the Reverse Council rate. This practice continued until the end of September, when it was officially declared

that Reverse Councils would be stopped altogether. Exchange immediately slumped to between one and sixpence and one and sevenpence, and it continued to range between these narrow points until the end of the year. The market made its own rate, it made a more stable rate than the efforts of Government to attain an administrative stability.

Other Measures—Apart from the effort to stabilise exchange, which had such unfortunate results, the policy of Government had certain other effects. During the year all restrictions on the movement of the precious metals were removed, in accordance with the recommendations of the Currency Committee. This included the abandonment of the import duty on silver, always a sore point with Indian bullionists. Legislative action was taken to alter the official ratio of the sovereign from fifteen to one to ten to one, due notice of this intention was given to holders of sovereigns and of the gold mohurs which were coined as an emergency measure in 1918, and they were given the option of tendering them at fifteen rupees. As the gold value of these coins was above fifteen rupees only a limited number was tendered, although there was extensive smuggling of sovereigns into India to take advantage of the premium. These measures were adopted to give greater elasticity to the Note Issue. Under the old law the invested proportion of the Note Issue was fixed by statute and it could be altered only by altering the law or by Ordinance. An Act was passed fixing the metallic portion of the Paper Currency Reserve at fifty per cent. of the Note Issue, the invested portion being limited to Rs. 20 crores in Indian securities and the balance in British securities of not more than twelve months' currency. The invested portion of the Paper Currency Reserve was revalued at the new rate of exchange, and an undertaking was given that the profits on the Note Issue would be devoted to writing off the depreciation, as also would be the interest on the Gold Standard Reserve when the total had reached £40 millions. Further, in order to give greater elasticity to the Note Issue, power was taken to issue its 5 crores of emergency currency in the busy season against commercial bills. These measures, save the alteration of the ratio, were generally approved by the commercial public.

Results—It remains to sum up the results of these measures. In a pregnant sentence in their report the Currency Committee say that whilst a fixed rate of exchange exercises little influence on the course of trade, a rising exchange impedes exports and stimulates imports, a falling exchange exercises a reverse influence. Here we have the key to the failure of the currency policy attempted. At the moment when it was sought suddenly and violently to raise the rate of exchange by the introduction of the new ratio of two shillings gold, the export trade was weak and the import trade in obedience to the delivery of long deferred orders was strong. The very principle enunciated by the Currency Committee wrecked the policy which they recommended. The rising rate of exchange scotched the weak export trade and gave a great stimulus to imports. Unexpected forces, such as the financial crisis in Japan, the lack of buying power on the Continent, and the movement for the transfer of capital from India to England at the

artificially high rate of exchange stimulated these forces, but they had their origin in the attempt by administrative action artificially and violently to raise the rate of exchange. If left alone, the natural fall in exchange would have tended to correct the adverse balance of trade, the official policy exaggerated and intensified it. The effects on Indian business were severe. Exporters found themselves loaded with produce for which there was no foreign demand, importers found themselves loaded up with imported goods, bought in the expectation of the continuance of a high rate of exchange, delivered when it had fallen one and fourpence from the highest point reached. Immense losses were incurred by all importers. The Government sold £55 millions of Reserve Councils before abandoning

their effort to stabilise exchange at the new ratio, the loss on these—that is the difference between the cost of putting the funds down in London and in bringing them back to India—was Rs 35 crores of rupees. Government sold £53 millions of gold, without breaking or seriously affecting the premium on gold. The Secretary of State, in the absence of any demand for Council Bills, was able to finance his expenditure in England only through the lucky chance of heavy expenditure on behalf of the Imperial Government for the forces in Mesopotamia—this expenditure being made in India and set off by payments in London. The only advantages were a considerable contraction of the Note issue and the silver token currency.

VII COMMISSION OF 1925-26.

These unfortunate experiments induced a period of great caution in dealing with Indian currency. The currency quacks having had their way, and proved their ignorance, went out of the field, and the wholesome policy of leaving Exchange alone, to find its natural level, followed. Left alone Exchange established itself round about the old ratio of fifteen to one, that is one shilling and fourpence to the rupee. Meantime great improvements were made in the organisation of Indian credit. The three Presidency Banks were merged in the Imperial Bank of India, a State Bank in all but name, and the Bank entered into a contract with Government to open a hundred new branches in the first five years of its existence. The Bank mobilised and strengthened and widened Indian credit. The metallic backing of the Paper Currency was strengthened and the fiduciary portion of the Reserve brought within negligible proportions. Greater elasticity was established in the currency by the power to issue emergency currency up to Rs 12 crores against commercial paper endorsed by the Imperial Bank when there is a tightness of money, and the practice of also issuing emergency currency against sterling in England. The Government of India now purchases sterling in India to meet its Home Charges when the conditions are favourable, instead of relying entirely on the sales of Council Bills in London. A notable feature in Exchange history was the rise of Exchange, of its own strength, above the one and fourpenny figure. Towards the close of 1924 it gradually rose to one shilling and sixpence and stayed there.

At this figure Exchange was maintained by Government though the state of trade might have led to a higher figure. But as the wholly artificial ratio of the two shilling rupee remained on the statute book, the demand for an authoritative inquiry to fix the ratio of the rupee to gold or sterling was insistent, and a Committee was appointed in the autumn of 1925. Of this Commander Hilton Young was chairman, with Sir Henry Strakosch as the chief gold expert. The personnel of the Committee was strongly criticised in India, on the ground that the Indian membership was inadequate, and that the individuals selected were not authoritative, a resolution was passed in the

Assembly hostile to the whole body. Nevertheless the Committee arrived in India in November 1925 and took evidence in Delhi, Bombay and Calcutta. It sailed for England in February 1926, and resumed its hearings in London, and reported on July 1st, 1926.

The main recommendations of this Commission are summarised in the actual report in the following terms, and they are textually reproduced in order that they may be above question—

(i) The ordinary medium of circulation should remain the currency note and the silver rupee and the stability of the currency in terms of gold should be secured by making the currency directly convertible into gold, but gold should not circulate as money.

(ii) The necessity of unity of policy in the control of currency and credit for the achievement of monetary stability involves the establishment of a Central Banking system.

(iii) The Central Banking functions should be entrusted to a new organisation, referred to as the Reserve Bank.

(iv) Detailed recommendations are made as to the constitution and functions and capacities of the Bank.

(v) The outlines of a proposed charter are recommended to give effect to the recommendations which concern the Reserve Bank.

(vi) Subject to the payment of limited dividends and the building up of suitable reserve funds, the balance of the profits of the Reserve Bank should be paid over to the Government.

(vii) The Bank should be given the sole right of note issue for a period of (say) 25 years. Not later than five years from the date of the charter becoming operative, Government notes should cease to be legal tender except at Government Treasuries.

(viii) The notes of the Bank should be full legal tender, and should be guaranteed by Government. The form and material of the note should be subject to the approval of the Governor-General in Council. A suggestion is made as to the form of the note.

(ix) An obligation should be imposed by statute on the Bank to buy and sell gold without limit at rates determined with reference to a fixed gold parity of the rupee but in quantities of not less than 400 fine ounces, no limitation being imposed as to the purpose for which the gold is required

(x) The conditions which are to govern the sale of gold by the Bank should be so framed as to free it in normal circumstances from the task of supplying gold for non-monetary purposes. The method by which this may be secured is suggested

(xi) The legal tender quality of the sovereign and the half-sovereign should be removed

(xii) Government should offer "on tap" savings certificates redeemable in 3 or 5 years in legal tender money or gold at the option of the holder

(xiii) The paper currency should cease to be convertible by law into silver coin. It should, however, be the duty of the Bank to maintain the free interchangeability of the different forms of legal tender currency, and of the Government to supply coin to the Bank on demand

(xiv) One rupee notes should be re-introduced and should be full legal tender

(xv) Notes other than the one-rupee note should be legally convertible into legal tender money, *i.e.*, into notes of smaller denomination or silver rupees at the option of the currency authority

(xvi) No change should be made in the legal tender character of the silver rupee

(xvii) The Paper Currency and Gold Standard Reserves should be amalgamated, and the proportions and composition of the combined Reserve should be fixed by statute

(xviii) The proportional reserve system should be adopted. Gold and gold securities should form not less than 40 per cent of the Reserve, subject to a possible temporary reduction, with the consent of Government, on payment of a tax. The currency authority should strive to work to a reserve ratio of 50 to 60 per cent. The gold holding should be raised to 20 per cent of the Reserve as soon as possible and to 25 per cent within ten years. During this period no favourable opportunity of fortifying the gold holding in the Reserve should be allowed to escape. Of the gold holding at least one-half should be held in India.

(xix) The silver holding in the Reserve should be very substantially reduced during a transitional period of ten years

(xx) The balance of the Reserve should be held in self-liquidating trade bills and Government of India securities. The "created" securities should be replaced by marketable securities within ten years

(xxi) A figure of Rs 50 crores has been fixed as the liability in respect of the contractibility of the rupee circulation. Recommendations are made to secure that an amount equal to one-fifth of the face value of any increase or decrease in the number of silver rupees in

issue shall be added to or subtracted from this liability, and the balance of profit or loss shall accrue to or be borne by the Government revenues

(xxii) The Issue Department of the Reserve Bank should be kept wholly distinct from its Banking Department

(xxiii) The Reserve Bank should be entrusted with all the remittance operations of the Government. The Secretary of State should furnish in advance periodical information as to his requirements. The Bank should be left free, at its discretion, to employ such method or methods of remittance as it may find conducive to smooth working

(xxiv) During the transition period the Government should publish a weekly return of remittances made. A trial should be made of the system of purchase by public tender in India

(xxv) The cash balances of the Government (including any balances of the Government of India and of the Secretary of State outside India), as well as the banking reserves in India of all banks operating in India, should be centralised in the hands of the Reserve Bank. Section 23 of the Government of India Act should be amended accordingly

(xxvi) The transfer of Reserve assets should take place not later than 1st January 1929, and the Bank's obligation to buy and sell gold should come into operation not later than 1st January 1931

(xxvii) During the transition period the currency authority (*i.e.*, the Government until the transfer of Reserve assets and the Bank thereafter) should be under an obligation to buy gold and to sell gold or gold exchange at its option at the gold points of the exchange. This obligation should be embodied in statutory form, of which the outline is suggested

(xxviii) Stabilisation of the rupee should be effected forthwith at a rate corresponding to an exchange rate of 1s 6d

(xxix) The stamp duty on bills of exchange and cheques should be abolished. Bill forms, in the English language and the vernacular in parallel, should be on sale at post offices

(xxx) Measures should be taken to promote the development of banking in India

(xxxi) Every effort should be made to remedy the deficiencies in the existing body of statistical data

A Minute of Dissent—Whilst all the members of the Commission signed the report, one of their number, Sir Purshotamdas Thakordas, did so subject to a minute of dissent. In the first part of this Minute Sir Purshotamdas subjected the long correspondence between the Government of India and the India Office on currency policy to a detailed analysis. The conclusions to which he came were that throughout the Government of India had striven for a system following the Fowler Report—a gold standard based on a gold currency, and that their efforts were emasculated by successive Secretaries of State, who had in view some which was often called the Gold

convertibility of the Note Issue Wisely, it took the former alternative, the price of Council Drafts followed the price of silver. The effect of this would have been transitory, but for the attempt in 1920, on the advice of the Babington Smith Committee, to stabilise the rupee at a new ratio of two shillings gold when all gold prices were crashing. It is easy to be wise after the event but if the Government had followed silver down, as it followed silver up, there is no room to doubt that the rupee would have returned to its 'permanent' ratio with no more disturbance than was inevitable under war conditions. However, this was not done. The vain effort to stabilise the new ratio was abandoned in September, 1920, and the two shilling rupee has since been a legal fiction. Left free from administrative action, the rupee fell below one shilling and threepence sterling and one shilling gold in 1921. Since under the influence of good harvests, it has climbed upwards, and has been in the neighbourhood of one shilling and sixpence gold for the past twelve months. But it is not always realised in London that under these vicissitudes the Indian standard has legally perished. In the words of the report, 'The stability of the gold value of the rupee is thus based upon nothing more substantial than a policy of the Government, and at present that policy can be found defined in no notification or undertaking by the Government. It has to be implied from the acts of the Government in relation to the currency, and those acts are subject to no statutory regulation or control.'

The responsibility remitted to the Commission was not therefore the mere stabilisation of the rupee, but the establishment of a standard which would command reasoned confidence in India, to link the rupee to that standard, and to provide for its statutory control, automatic working and stability, to bring the control of currency and of credit under a single authority and to free the Indian currency and exchange system from the dominance of the silver market. In short, it was to establish the rule of law in place of the practice of administrative discretion.

Scheme for Gold Currency—In the course of their inquiries in India the Commission had placed before them a scheme for the immediate establishment of a gold bullion standard, and its early conversion into the gold standard supported by the gold currency which a large body of Indian opinion has insistently demanded. The scheme was presented by the officials of the Finance Department, but it is known to be the work of the Finance Member, Sir Basil Blackett, whose work in India is of the greatest value.

The essential features of this Scheme were the undertaking of a statutory obligation by Government to buy and sell gold bullion in 400 oz bars, as soon as sufficient gold was available to put a gold coin in circulation, after a period tentatively fixed at five years to undertake to give gold coin in exchange for notes and rupees, and after a further period, also tentatively fixed at five years, make the silver rupee legal tender only for sums up to a small fixed amount. The scheme involved the

disposal of 200 crores of silver rupees, or 687 million fine ounces, in ten years, the acquisition in all of £103 millions of gold, and the establishment of credits in London or New York. The cost was estimated at one and two-thirds crores of rupees per annum during the first five years and thereafter from two thirds of a crore to 1 12 crore.

This scheme is subjected by the Commission to a detailed examination, and rejected on grounds which are convincing. The main grounds for this decision are that the estimates of the amount and time of the gold demand are uncertain, and the absorption by India of this £103 millions of gold, in addition to the normal absorption for the arts, hoards, etc., would powerfully react on the supplies of credit, the rates of interest, and gold prices throughout the world. The reaction on the silver market from the dethronement of the rupee and realisation of this large quantity of silver bullion would be even more marked, with severely prejudicial effects on the silver hoards of the people of India and the exchanges with China, where India still does a large business. Moreover, the capacity to raise the required credits is doubtful, and the cost is placed by the India Office at Rs 3 crores a year.

The evidence of the highest financial authorities in London and New York established beyond doubt that it is not in the interests of India to precipitate any currency reform that would violently disturb the gold and silver markets, however desirable that reform might be in itself. Also, that whilst London, working in close harmony with New York, would strain every nerve to supply India with the funds she might require for her own development, it could hardly be expected to provide credits for a scheme which would upset the gold and silver markets. But whilst on these grounds the Commission were not able to endorse Sir Basil Blackett's scheme, there is no doubt that they were profoundly influenced by it in their own recommendations. The ultimate evolution of a policy which promises a cure for India's currency bills is therefore in large measure due to the courage and resolution with which the Finance Authorities in that country faced them.

A Gold Bullion Standard—The currency system recommended by the Commission is a gold bullion standard. They propose that an obligation shall be imposed by statute on the currency authority to buy and sell gold without limit at rates determined with reference to a fixed gold parity of the rupee, but in quantities of not less than 400 fine ounces, no limitation being imposed as to the purpose for which the gold is required. The essence of this proposal is "that the ordinary medium of circulation in India should remain as at present the currency note and the silver rupee, and that the stability of the currency in terms of gold should be secured by making the currency directly convertible into gold for all purposes, but that gold should not circulate as money. It must not circulate at first, and it need not circulate ever." In breaking adrift from any idea of a sterling exchange, or gold exchange standard, the Commission were powerfully influenced by two factors—the necessity for safeguarding the

at the two shilling rate caused the Government of India large losses, and inflicted a terrible blow on trade, after it was abandoned in September, 1920, the rupee fell below one shilling and threepence sterling and one shilling gold. Thereafter, under the influence of a succession of abundant harvests it recovered. In 1923, it was one shilling and fourpence sterling, in October, 1924, one and sixpence sterling and one and four gold. With the rise in the pound to gold parity, the rupee reached one and sixpence gold in June, 1925, and has remained there.

It is not, I think, open to doubt that if the vain attempt to stabilise the rupee at two shillings had not been made in 1920, or if advantage had been taken of its return to one and four the permanent standard might have been re-established without undue disturbance. Sir Purshotamdas Thakordas asserts in his minute of dissent that "the Executive had made up their minds to work up to a one shilling and sixpence ratio long before this Commission was appointed to examine the question. Indeed, they have presented to us the issue in this regard as a *fait accompli*, achieved by them, not having hesitated by manipulation to keep up the rate even while we were in session. I cannot conceive of any parallel to such a procedure in any country."

It is to my mind a great misfortune that the opportunity of restoring the permanent ratio of one and four was not seized when it offered. Not because there is any special sanctity in a ratio as such but because there is a sanctity in the legal standard of money payments. If this had been done the Commission's scheme would have received practically unanimous support in India, as it is a violent controversy will rage round this secondary issue, obscuring the great merit of the Commission's basic recommendation a true gold standard, statutory in its composition and automatic in action, with the coalescence of the currency and credit authorities. However, we have to deal with facts as we find them. The majority of the commission base their recommendation on the "conviction, which has been formed and cumulatively reinforced during the progress of our inquiry, that at the present exchange rate of about one shilling and sixpence, prices in India have already attained a substantial measure of adjustment with those in the world at large, and as a corollary, that any change in the rate would mean a difficult period of readjustment, involving widespread economic disturbance, which it is most desirable in the interests of the people to avoid, and which would in the end be followed by no countervailing advantage." Sir Purshotamdas Thakordas, in a closely-reasoned minute of dissent, supported by a wealth of figures, avers—and to my mind with conclusive force that the adjustments are far from complete, and cannot be completed in regard to wages without disastrous labour disputes. Both sides admit that their conclusions are weakened by the unreliability of the Indian index figures.

The truth, I suggest, lies between these two contentions. There have been very substantial adjustments to one shilling and sixpence no ratio could be operative for over a year without inducing this result. But it is clear that the adjustments, especially in regard to wages in

Western India, are not complete. In the matter of the indebtedness of the agricultural classes of India—seventy per cent of the whole population there has been no adjustment, not in relation to the land revenue they pay to Government. The ratio therefore cannot be determined as a question of academic principle, but is a matter of expediency.

Here, it seems to me, the decisive factor is the economic consequence of a return to one shilling and fourpence. There is no half-way house, the rate must be either the *de facto* one of one and sixpence, or the old permanent ratio of one and fourpence. The change would be immediate not a matter of weeks or months, but of hours or minutes. There would be an immediate rise in prices of twelve and a half per cent, with a consequent reduction of real wages by that proportion, there would be convulsive disturbance of the foreign trade, there would be violent speculation. I omit all calculation of the effect of the lower rate on the finances of the Government of India, because this is an influence which has been over-valued in the past, it is infinitesimal in comparison with the industrial and commercial interests involved. No one who realises the sensitiveness of the Indian market, and the proneness to speculation, can contemplate these violent disturbances without a feeling akin to dismay. The balance of advantage lies with stabilisation at one and six, the controversy which must ensue is part of the price to be paid for the neglect to re-establish the permanent ratio when it was practicable.

The Note Issue—Before the war there was a considerable and growing circulation of sovereigns. On the outbreak of hostilities these disappeared as currency, the actual currency of India is a token, the silver rupees and another token, the note convertible into rupees. Ever since the breakaway from the accepted gold standard this obligation has imposed serious difficulties on the currency. It drove it into the very heavy coining which followed recovery from the famine of 1899-1900, it compelled heavy purchases of silver, which invariably rose in prices as the Government came into the market, and it placed the Indian currency system, as occurred during the war, at the mercy of the silver market. The maintenance of the convertibility of the note into silver rupees of the present fineness is only possible so long as silver does not rise above 48s an ounce. The removal of this anomalous provision, the Commission say, is an essential step in Indian currency reform which must be taken sooner or later. "No opportunity for the termination of this obligatory convertibility is likely to be so favourable at the present when, by making the notes convertible into gold bars for all purposes a more solid right of convertibility is attached to them than they have ever had since silver ceased to be a reliable standard of value." Both proposition can be accepted in their entirety.

The rise in the volume of the paper currency is one of the most remarkable features in Indian financial history. It developed from no change in the status of the note itself, it was always convertible on demand, but from increased facilities for the encashment of notes, beginning with the introduction of universal notes of small de-

Composition of the Currency Reserve held against the note circulation at the end of each month (In lakhs of rupees)

MONTH	Gross circulation of notes	COIN AND BULLION RESERVE							SECURITIES			
		Silver coin in India	Gold bullion in India	Silver bullion in India	Gold bullion in England	Silver bullion in England	Gold bullion in His Majesty's Dominions	Gold bullion in transit between India and England and His Majesty's Dominions	Silver bullion in transit between India and England and His Majesty's Dominions	Sterling securities in England	Rupee securities in India	Internal Bills of Exchange
1932												3,75
March	1,78,11	1,01,96	5,26	9,23							57,94	
April	1,68,31	1,00,81	5,53	9,69							52,28	
May	1,68,47	99,83	10,71	10,67							17,26	
June	1,70,85	1,01,30	10,78	10,58							18,19	
July	1,74,23	1,03,64	10,86	10,75							18,98	
August	1,75,58	1,04,04	11,11	10,98							19,15	
September	1,75,77	1,03,01	11,34	12,28							19,14	
October	1,75,85	1,02,06	11,53	12,86							19,10	
November	1,75,63	1,00,49	11,75	12,48							50,91	
December	1,74,80	97,83	18,68	12,83							45,16	
1933												
January	1,74,33	96,26	25,52	13,28							39,27	
February	1,75,25	96,03	25,68	14,34							39,20	
March	1,76,90	96,34	25,99	15,52							39,05	

Details of the balance of the Gold Standard Reserve on the 31st March 1933

In England—

Estimated value on the 31st March 1933 of the sterling securities of the nominal value of £ 23,850,000 (as per details below)		£
		26,220,760
Gold	{ In England	2,152,334
	{ In India	11,626,000
Cash at the Bank of England		897
TOTAL		40,000,000

Details of investments —

	Face value
	£
British Treasury Bills	16,260,000
Treasury 3 per cent Bonds, 15th April 1933	230,200
Treasury 4 per cent Bonds, 1931-36	1,810,000
Treasury 2 per cent Bonds, 1935-38	1,500,000
Treasury 3 per cent Bonds, 1931-42	1,860,600
Treasury Conversion 4½ per cent Stock 1910-11	150,000
TOTAL	23,850,000

THE RESERVE BANK

The following Act of the Indian Legislature received the assent of the Governor General on March 6, 1934, and is known as the Reserve Bank of India Act, 1934 —

Whereas it is expedient to constitute a Reserve Bank for India to regulate the issue of bank notes and the keeping of reserves with a view to securing monetary stability in British India and generally to operate the currency and credit system of the country to its advantage,

And whereas in the present disorganisation of the monetary systems of the world it is not possible to determine what will be suitable as a permanent basis for the Indian monetary system,

But whereas it is expedient to make temporary provision on the basis of the existing monetary system, and to leave the question of the monetary standard best suited to India to be considered when the international monetary position has become sufficiently clear and stable to make it possible to frame permanent measures,

It is hereby enacted as follows —

(1) A Bank to be called the Reserve Bank of India shall be constituted for the purposes of taking over the management of the currency from the Governor-General in Council and of carrying on the business of banking in accordance with the provisions of this Act

(2) The Bank shall be a body corporate by the name of the Reserve Bank of India, having perpetual succession and a common seal, and shall by the said name sue and be sued

Share Capital — (1) The original share capital of the Bank shall be five crores of rupees divided into shares of one hundred rupees each, which shall be fully paid up

(2) Separate registers of shareholders shall be maintained at Bombay, Calcutta, Delhi, Madras and Rangoon, and a separate issue of shares shall be made in each of the areas served by those registers, as defined in the First Schedule, and shares shall be transferable from one register to another

(3) A shareholder shall be qualified to be registered as such in any area in which he is ordinarily resident or has his principal place of business in India, but no person shall be registered as a shareholder in more than one register, and no person who is not—

(a) domiciled in India and either an Indian subject of His Majesty, or a subject of a State in India, or

(b) a British subject ordinarily resident in India and domiciled in the United Kingdom or in any part of His Majesty's Dominions the government of which does not discriminate in any way against Indian subjects of His Majesty, or

(c) a company registered under the Indian Companies Act, 1913, or a society registered under the Co-operative Societies Act, 1912, or any other law for the time being in force in British India relating to co-operative societies or a scheduled bank, or a corporation or company incorporated by or under an Act of Parliament or any law for the time being in force in any part of His Majesty's Dominions the

Government of which does not discriminate in any way against Indian subjects of His Majesty, and having a branch in British India,

shall be registered as a shareholder or be entitled to payment of any dividend on any share, and no person, who, having been duly registered as a shareholder, ceases to be qualified to be so registered, shall be able to exercise any of the rights of a shareholder otherwise than for the purpose of the sale of his shares

(4) The Governor-General in Council shall, by notification in the Gazette of India, specify the parts of His Majesty's Dominions which shall be deemed for the purposes of clauses (b) and (c) of sub section (3) to be the parts of His Majesty's Dominions in which no discrimination against Indian subjects of His Majesty exists

(5) The nominal value of the shares originally assigned to the various registers shall be as follows, namely —

(a) to the Bombay register—one hundred and forty lakhs of rupees,

(b) to the Calcutta register—one hundred and forty-five lakhs of rupees,

(c) to the Delhi register—one hundred and ten lakhs of rupees

(d) to the Madras register—seventy lakhs of rupees

(e) to the Rangoon register—thirty lakhs of rupees

Provided that if at the first allotment the total nominal value of the shares on the Delhi register for which applications are received is less than one hundred and fifteen lakhs of rupees, the Central Board shall, before proceeding to any allotment, transfer any shares applied for up to a maximum nominal value of thirty-five lakhs of rupees from that register to two equal portions to the Bombay and the Calcutta register

A Committee consisting of two elected members of the Assembly and one elected member of the Council of State to be elected by non-official members of the respective Houses shall be associated with the Central Board for the purpose of making public issue of shares and making after the first allotment of shares

(6) In allotting the shares assigned to a register, the Central Board shall, in the first instance, allot five shares to each qualified applicant who has applied for five or more shares, and, if the number of such applicants is greater than one-fifth of the total number of shares assigned to the register, shall determine by lot the applicants to whom the shares shall be allotted

(7) If the number of such applicants is less than one-fifth of the number of shares assigned to the register, the Central Board shall allot the remaining shares firstly, up to the limit of one-fifth of such remaining shares, to those applicants who have applied for less than five shares, and thereafter as to the balance to the various applicants in such manner as it may deem fair and equitable, having regard to the desirability of distributing the shares and the voting rights attached to them as widely as possible

(8) Notwithstanding anything contained in sub sections (6) and (7), the Central Board shall reserve for and allot to Government shares of the nominal value of two lakhs and twenty thousand rupees to be held by Government for disposal at par to Directors seeking to obtain the minimum share qualification required under sub section (2) of section 11

(9) If, after all applications have been met in accordance with the provisions of sub sections (6), (7) and (8), any shares remain unallotted, they shall, notwithstanding anything contained in this section, be allotted to and taken up by Government, and shall be sold by the Governor-General in Council as soon as may be, at not less than par, to residents of the areas served by the register concerned

(10) The Governor-General in Council shall have no right to exercise any vote under this Act by reason of any shares allotted to him under sub section (8) or under sub section (9)

(11) A Director shall not dispose of any shares obtained from Government under the provisions of sub section (8) otherwise than by re-sale to Government at par, and Government shall be entitled to re-purchase at par all such shares held by any Director on his ceasing from any cause to hold office as Director

Increase and reduction of share capital

—(1) The share capital of the Bank may be increased or reduced on the recommendation of the Central Board, with the previous sanction of the Governor-General in Council and with the approval of the Central Legislature, to such extent and in such manner as may be determined by the Bank in General meeting

(2) The additional shares so created shall be of the nominal value of one hundred rupees each and shall be assigned to the various registers in the same proportions as the shares constituting the original share capital

(3) Such additional shares shall be fully paid up, and the price at which they may be issued shall be fixed by the Central Board with the previous sanction of the Governor-General in Council

(4) The provisions of section 4 relating to the manner of allotment of the shares constituting the original share capital shall apply to the allotment of such additional shares, and existing shareholders shall not enjoy any preferential right to the allotment of such additional shares

The Bank shall, as soon as may be, establish offices in Bombay, Calcutta, Delhi, Madras and Rangoon and a branch in London, and may establish branches or agencies in any other place in India or, with the previous sanction of the Governor-General in Council, elsewhere

The general superintendence and direction of the affairs and business of the Bank shall be entrusted to a Central Board of Directors which may exercise all powers and do all acts and things which may be exercised or done by the Bank and are not by this Act expressly directed or required to be done by the Bank in general meeting

(1) The Central Board shall consist of the following Directors, namely —

(a) a Governor and two Deputy Governors, to be appointed by the Governor General in Council of the recommendations made by the Board in that behalf

(b) four Directors to be nominated by the Governor General in Council

(c) eight Directors to be elected on behalf of the shareholders on the various registers, in the manner provided in section 9 and in the following numbers, namely —

(i) for the Bombay register—two Directors
(ii) for the Calcutta register—two Directors

(iii) for the Delhi register—two Directors,
(iv) for the Madras register—one Director,
(v) for the Rangoon register—one Director, and

(d) one government official to be nominated by the Governor General in Council

(2) The Governor and Deputy Governors shall devote their whole time to the affairs of the Bank, and shall receive such salaries and allowances as may be determined by the Central Board, with the approval of the Governor General in Council

(3) A Deputy Governor and the Director nominated under clause (d) of sub-section (1) may attend any meeting of the Central Board and take part in its deliberations but shall not be entitled to vote

Provided that when the Governor is absent a Deputy Governor authorized by him in this behalf in writing may vote for him

(4) The Governor and a Deputy Governor shall hold office for such term not exceeding five years as the Governor General in Council may fix when appointing them, and shall be eligible for re-appointment

A Director nominated under clause (b) or elected under clause (c) of sub-section (1) shall hold office for five years, or thereafter until his successor, shall have been duly nominated or elected, and, subject to the provisions of section 10, shall be eligible for re-nomination or re-election

A Director nominated under clause (d) of sub-section (1) shall hold office during the pleasure of the Governor General in Council

(5) No act or proceeding of the Board shall be questioned on the ground merely of the existence of any vacancy in, or any defect in the constitution of, the Board

Local Boards—(1) Local Board shall be constituted for each of the five areas specified in the First Schedule, and shall consist of—

(a) five members elected from amongst themselves by the shareholders who are registered on the register for that area and are qualified to vote, and

(b) not more than three members nominated by the Central Board from amongst the shareholders registered on the register for that area, who may be nominated at any time

Provided that the Central Board shall in exercising this power of nomination aim at securing the representation of territorial or economic interests not already represented, and in particular the representation of agricultural interests and the interests of co-operative banks

(2) At an election of members of a Local Board for any area, any shareholder who has been registered on the register for that area, for a period of not less than six months ending with the date of the election, as holding five shares shall have one vote and each shareholder so registered as having more than five shares shall have one vote for each five shares but subject to a maximum of ten votes, and such votes may be exercised by proxy appointed on each occasion for that purpose, such proxy being himself a shareholder entitled to vote at the election and not being an employee of the Bank

(3) The members of a Local Board shall hold office until they vacate it under sub-section (6) and, subject to the provisions of section 10, shall be eligible for re-election or re-nomination, as the case may be

(4) At any time within three months of the day on which the Directors representing the shareholders on any register are due to retire under the provisions of this Act, the Central Board shall direct an election to be held of members of the Local Board concerned, and shall specify a date from which the registration of transfer from and to the register shall be suspended until the election has taken place

(5) On the issue of such direction the Local Board shall give notice of the date of the election and shall publish a list of shareholders holding five or more shares, with the dates on which their shares were registered, and with their registered addresses, and such list shall be available for purchase not less than three weeks before the date fixed for the election

(6) The names of the persons elected shall be notified to the Central Board which shall thereupon proceed to make any nominations permitted by clause (b) of sub-section (1) it may then decide to make, and shall fix the date on which the outgoing members of the Local Board shall vacate office, and the incoming members shall be deemed to have assumed office on that date

(7) The elected members of a Local Board shall, as soon as may be after they have been elected, elect from amongst themselves one or two persons, as the case may be, to be Directors representing to the shareholders on the register for the area for which the Board is constituted

(8) A Local Board shall advise the Central Board on such matters as may be generally or specifically referred to it and shall perform such duties as the Board may, by regulations, delegate to it

(1) No person may be a Director or a member of a Local Board who—

(a) is a salaried government official or a salaried official of a State in India, or

(b) is or at any time has been adjudicated an insolvent, or has suspended payment or has compounded with his creditors or

(c) is found lunatic or becomes of unsound mind, or

(d) is an officer or employee of any bank or

(e) is a director of any bank other than a bank which is a society registered or deemed to be registered under the Co-operative Societies Act, 1912 or any other law for the time being in force in British India relating to co-operative societies.

(2) No two persons who are partners of the same mercantile firm, or are directors of the same private company, or one of whom is the general agent of or holds a power of procuration from the other, or from a mercantile firm of which the other is a partner, may be Directors or members of the same Local Board at the same time

(3) Nothing in clause (a), clause (d) or clause (e) of sub section (1) shall apply to the Governor, or to a Deputy Governor or to the Director nominated under clause (d) of sub section (1) of section 8

(1) The Governor General in Council may remove from office the Governor, or a Deputy Governor or any nominated or elected Director

Provided that in the case of a Director nominated or elected under clause (b) or clause (c) of sub section (1) of section 8 this power shall be exercised only on a resolution passed by the Central Board in that behalf by a majority consisting of not less than nine Directors

(2) A Director nominated or elected under clause (b) or clause (c) of sub section (1) of section 8, and any member of a Local Board shall cease to hold office if, at any time after six months from the date of his nomination or election, he is not registered as a holder of unencumbered shares of the Bank of a nominal value of not less than five thousand rupees, or if he ceases to hold unencumbered shares of that value, and any such Director shall cease to hold office if without leave from the Governor General in Council he absents himself from three consecutive meetings of the Central Board convened under sub section (1) of section 13

(3) The Governor General in Council shall remove from office any Director, and the Central Board shall remove from office any member of a Local Board, if such Director or member becomes subject to any of the disqualifications specified in sub section (1) or sub section (2) of section 10

(4) A Director or member of a Local Board removed or ceasing to hold office under the foregoing sub sections shall not be eligible for re-appointment either as Director or as member of a Local Board until the expiry of the term for which his appointment was made

(5) The appointment, nomination or election as Director or member of a Local Board of any person who is a member of the Indian Legislature or of a local Legislature shall be void, unless, within two months of the date of his appointment, nomination or election, he ceases to such member, and, if any Director or member of a Local Board is elected or nominated as a

member of any such Legislature he shall cease to be a Director or member of the Local Board as from the date of such election or nomination, as the case may be

(6) A Director may resign his office to the Governor General in Council and a member of a Local Board may resign his office to the Central Board and on the acceptance of the resignation the office shall become vacant

(1) If the Governor or a Deputy Governor by infirmity or otherwise is rendered incapable of executing his duties or is absent on leave or otherwise in circumstances not involving the vacation of his appointment, the Governor General in Council may, after consideration of the recommendations made by the Central Board in this behalf, appoint another person to officiate for him, and such person may, notwithstanding anything contained in clause (d) of sub section (1) of section 10, be an officer of the Bank.

(2) If an elected Director is for any reason unable to attend a particular meeting of the Central Board, the elected members of the Local Board of the area which he represents may elect one of their number to take his place, and for the purposes of that meeting the substitute so elected shall have all the powers of the absent Director

(3) Where any casual vacancy in the office of any member of a Local Board occurs otherwise than by the occurrence of a vacancy in the office of a Director elected by the Local Board, the Central Board may nominate thereto any qualified person recommended by the elected members of the Local Board

(4) Where any casual vacancy occurs in the office of a Director other than the vacancies provided for in sub section (1), the vacancy shall be filled, in the case of a nominated Director by nomination, and in the case of an elected Director by election held in the manner provided in section 9 for the election of Directors

Provided that before such election is made the resulting vacancy, if any, in the Local Board and any vacancy in the office of an elected member of such Board which may have been filled by a member nominated under sub section (3) shall be filled by election held as nearly as may be in the manner provided in section 9 for the election of members of a Local Board

(5) A person nominated or elected under this section to fill a casual vacancy shall, subject to the proviso contained in sub section (4), hold office for the unexpired portion of the term of his predecessor

(1) Meetings of the Central Board shall be convened by the Governor at least six times in each year and at least once in each quarter

(2) Any three Directors may require the Governor to convene a meeting of the Central Board at any time and the Governor shall forthwith convene a meeting accordingly

(3) The Governor, or in his absence the Deputy Governor authorized by the Governor under the proviso to sub section (3) of section 8 to vote for him, shall preside at meetings of the Central Board, and, in the event of an equality of votes, shall have a second or casting vote

General Meetings—(1) A general meeting (hereinafter in this Act referred to as the annual general meeting) shall be held annually at a place where there is an office of the Bank within six weeks from the date on which the annual accounts of the Bank are closed, and a general meeting may be convened by the Central Board at any other time.

Provided that the annual general meeting shall not be held on two consecutive occasions at any one place.

(2) The shareholders present at a general meeting shall be entitled to discuss the annual accounts, the report of the Central Board on the working of the Bank throughout the year and the auditors' report on the annual balance sheet and accounts.

(3) Every shareholder shall be entitled to attend at any general meeting and each shareholder who has been registered on any register, for a period of not less than six months ending with the date of the meeting, as holding five or more shares shall have one vote and on a poll being demanded each shareholder so registered shall have one vote for each five shares, but subject to a maximum of ten votes and such votes may be exercised by proxy appointed on each occasion for that purpose such proxy being himself a shareholder entitled to vote at the election and not being an officer or employee of the Bank.

(1) The following provisions shall apply to the first constitution of the Central Board, and, notwithstanding anything contained in section 8, the Central Board as constituted in accordance therewith shall be deemed to be duly constituted in accordance with this Act.

(2) The first Governor and the first Deputy Governor or Deputy Governors shall be appointed by the Governor General in Council on his own initiative, and shall receive such salaries and allowances as he may determine.

(3) The first eight Directors representing the shareholders on the various registers shall be nominated by the Governor General in Council from the areas served respectively by those registers, and the Directors so nominated shall hold office until their successors shall have been duly elected as provided in sub section (4).

(4) On the expiry of each successive period of twelve months after the nomination of Directors under sub section (3) two Directors shall be elected in the manner provided in section 9 until all the Directors so nominated have been replaced by elected Directors holding office in accordance with section 8. The register in respect of which the election is to be held shall be selected by lot from among the registers still represented by nominated Directors, and for the purposes of such lot the Madras and Rangoon registers shall be treated as if they comprised one register only.

As soon as may be after the commencement of this Act, the Central Board shall direct elections to be held and may make nominations, in order to constitute Local Boards in accordance

with the provisions of section 9, and the members of such Local Boards shall hold office up to the date fixed under sub section (6) of section 9, but shall not exercise any right under sub section (7) of that section.

Business—The Bank shall be authorized to carry on and transact the several kinds of business hereinafter specified, namely—

(1) the accepting of money on deposit without interest from, and the collection of money for, the Secretary of State in Council, the Governor General in Council, Local Governments, States in India, local authorities, banks and any other persons,

(2) (a) the purchase, sale and rediscount of bills of exchange and promissory notes, drawn on and payable in India and arising out of *bona fide* commercial or trade transactions bearing two or more good signatures, one of which shall be that of a scheduled bank, and maturing within ninety days from the date of such purchase or rediscount, exclusive of days of grace,

(b) the purchase, sale and rediscount of bills of exchange and promissory notes, drawn and payable in India and bearing two or more good signatures, one of which shall be that of a scheduled bank, or a provincial co-operative bank, and drawn or issued for the purpose of financing *seasc* *tions* or marketing of *'* within nine months from *'* purchase or rediscount, exclusive of days of grace,

(c) the purchase, sale and rediscount of bills of exchange and promissory notes drawn and payable in India and bearing the signature of a scheduled bank, and issued or drawn for the purpose of holding or trading in securities of the Government of India or a Local Government, or such securities of States in India as may be specified in this behalf by the Governor General in Council on the recommendation of the Central Board, and maturing within ninety days from the date of such purchase or rediscount, exclusive of days of grace,

(3) (a) the purchase from and sale to scheduled banks of sterling in amounts of not less than the equivalent of one lakh of rupees,

(b) the purchase, sale and rediscount of bills of exchange (including treasury bills) drawn in or on any place in the United Kingdom and maturing within ninety days from the date of purchase, provided that no such purchase, sale or rediscount shall be made in India except with a scheduled bank, and

(c) the keeping of balances with banks in the United Kingdom,

(4) the making to States in India, local authorities, scheduled banks and provincial co-operative banks of loans and advances, repayable on demand or on the expiry of fixed periods not exceeding ninety days, against the security of—

(a) stocks, funds and securities (other than immovable property) in which a trustee is authorized to invest trust money by any Act of Parliament or by any law for the time being in force in British India,

(b) gold or silver or documents of title to the same,

(c) such bills of exchange and promissory notes as are eligible for purchase or rediscount by the Bank,

(d) promissory notes of any scheduled bank or a provincial co-operative bank, supported by documents of title to goods which have been transferred, assigned, or pledged to any such bank as security for a cash credit or overdraft granted for *bona fide* commercial or trade transactions, or for the purpose of financing seasonal agricultural operations or the marketing of crops,

(5) the making to the Governor General in Council and to such Local Governments as may have the custody and management of their own provincial revenues of advances repayable in each case not later than three months from the date of the making of the advance,

(6) the issue of demand drafts made payable at its own offices or agencies and the making, issue and circulation of bank post bills,

(7) the purchase and sale of Government securities of the United Kingdom maturing within ten years from the date of such purchase,

(8) the purchase and sale of securities of the Government of India or of a Local Government of any maturity or of such securities of a local authority in British India or of such States in India as may be specified in this behalf by the Governor General in Council on the recommendation of the Central Board

Provided that securities fully guaranteed as to principal and interest by the Government of India, a Local Government, a local authority or a State in India shall be deemed for the purposes of this clause to be securities of such Government, authority or State,

Provided further that the amount of such securities held at any time in the Banking Department shall be so regulated that—

(a) the total value of such securities shall not exceed the aggregate amount of the share capital of the Bank, the Reserve Fund and three fifths of the liabilities of the Banking Department in respect of deposits,

(b) the value of such securities maturing after one year shall not exceed the aggregate amount of the share capital of the Bank, the Reserve Fund and two fifths of the liabilities of the Banking Department in respect of deposits, and

(c) the value of such securities maturing after ten years shall not exceed the aggregate amount of the share capital of the Bank and the Reserve Fund and one fifth of the liabilities of the Banking Department in respect of deposits,

(9) The custody of monies, securities and other articles of value, and the collection of the proceeds, whether principal, interest or dividends, of any such securities,

(10) the sale and realisation of all property, whether movable or immovable, which may in any way come into the possession of the Bank in satisfaction, or part satisfaction, of any of its claims,

(11) the acting as agent for the Secretary of State in Council, the Governor General in Council or any Local Government or local authority of State in India in the transaction of any of the following kinds of business, namely—

(a) the purchase and sale of gold or silver,

(b) the purchase, sale, transfer and custody of bills of exchange, securities or shares in any company,

(c) the collection of the proceeds, whether principal, interest or dividends, of any securities or shares,

(d) the remittance of such proceeds, at the risk of the principal, by bills of exchange payable either in India or elsewhere,

(e) the management of public debt,

(12) the purchase and sale of gold coin and bullion,

(13) the opening of an account with or the making of an agency agreement with, and the acting as agent or correspondent of, a bank which is the principal currency authority of any country under the law for the time being in force in that country or any international bank formed by such banks, and the investing of the funds of the Bank in the shares of any such international bank,

(14) the borrowing of money for a period not exceeding one month for the purposes of the business of the Bank, and the giving of security for money so borrowed,

Provided that no money shall be borrowed under this clause from any person in India other than a schedule bank, or from any person outside India other than a bank which is the principal currency authority of any country under the law for the time being in force in that country

Provided further that the total amount of such borrowings from persons in India shall not at any time exceed the amount of the share capital of the Bank,

(15) the making and issue of bank notes subject to the provision of this Act, and,

(16) generally, the doing of all such matters and things as may be incidental to or consequential upon the exercise of its powers or the discharge of its duties under this Act

When, in the opinion of the Central Board or, where the powers and functions of the Central Board under this section have been delegated to a committee of the Central Board or to the Governor, in the opinion of such committee or of the Governor as the case may be, a special occasion has arisen making it necessary or expedient that action should be taken under this section for the purpose of regulating credit in the interests of Indian trade, commerce, industry and agriculture, the Bank may, notwithstanding any limitation contained in sub-clauses (a) and (b) of clause (2) or sub-clause (a) or (b) of clause (3) or clause (4) of section 17,—

(1) purchase, sell or discount any of the bills of exchange or promissory notes specified in sub-clause (a) or (b) of clause (2) or sub-clause (b) of clause (3) of that section though such bill or promissory note does not bear the signature of a scheduled bank or a provincial co-operative bank, or

(2) purchase or sell sterling in amounts of not less than the equivalent of one lakh of rupees, or

(3) make loans or advances repayable on demand or on the expiry of fixed periods not exceeding ninety days against the various forms of security specified in clause (4) of that section

Provided that a committee of the Board or the Governor shall not give in cases of special urgency, authorized action under this section without prior consultation with the Central Board and that in all cases action so authorized shall be reported to the members of the Central Board forthwith

Forbidden Business.—Save as otherwise provided in sections 17, 18 and 15, the Bank may not

(1) engage in trade or otherwise have a direct interest in any commercial industrial or other undertaking, except such interest as it may in any way acquire in the course of the satisfaction of any of its claims provided that all such interests shall be disposed of at the earliest possible moment

(2) purchase its own shares or the shares of any other bank or of any company, or grant loans upon the security of any such shares,

(3) advance money on mortgage of or otherwise on the security of immovable property or documents of title relating thereto, or become the owner of immovable property, except so far as is necessary for its own business premises and residences for its officers and servants

(4) make loans or advances,

(5) draw or accept bills payable otherwise than on demand,

(6) allow interest on deposits or current accounts,

Central Banking Functions

The Bank shall undertake to accept monies for account of the Secretary of State in Council and the Governor General in Council and such Local Governments as may have the custody and management of their own provincial revenues and such States in India as may be approved of and notified by the Governor General in Council in the Gazette of India, and to make payments up to the amount standing to the credit of their accounts respectively, and to carry out their exchange, remittance and other banking operations, including the management of the public debt

(1) The Governor General in Council and such Local Governments as may have the custody and management of their own provincial revenues shall entrust the Bank, on such conditions as may be agreed upon, with all their money, remittance, exchange and banking

transactions in India and in particular shall deposit free of interest all their cash balances with the Bank

Provided that nothing in this sub-section shall prevent the Governor General in Council or any Local Government from carrying on money transactions at places where the Bank has no branches or agent and the Governor General in Council and Local Governments may hold at such places such balances as they may require

(2) The Governor General in Council and each Local Government shall entrust the Bank on such conditions as may be agreed upon, with the management of the public debt and with the issue of any new loans

(3) In the event of any failure to reach agreement on the conditions referred to in this section the Governor General in Council shall decide what the conditions shall be

(4) Any agreement made under this section to which the Governor General in Council or any Local Government is a party shall be held as soon as may be after it is made before the Central Legislature and in the case of a Local Government before its local Legislature also

Bank Notes.—(1) The Bank shall have the sole right to issue bank notes in British India and may, for a period which shall be fixed by the Governor General in Council on the recommendation of the Central Board, issue currency notes of the Government of India supplied to it by the Governor General in Council and the provisions of this Act applicable to bank notes shall unless a contrary intention appears, apply to all currency notes of the Government of India issued either by the Governor General in Council or by the Bank in like manner as if such currency notes were bank notes, and references in this Act to bank notes shall be construed accordingly

(2) On and from the date on which this Chapter comes into force the Governor General in Council shall not issue any currency notes

Issue Department.—(1) The issue of bank notes shall be conducted by the Bank in an Issue Department which shall be separated and kept wholly distinct from the Banking Department, and the assets of the Issue Department shall not be subject to any liability other than the liabilities of the Issue Department as hereinafter defined in section 34

(2) The Issue Department shall not issue bank notes to the Banking Department or to any other person except in exchange for other bank notes or for such coin, bullion or securities as are permitted by this Act to form part of the Reserve

Bank notes shall be of the denominational values of five rupees, ten rupees, fifty rupees, one hundred rupees, five hundred rupees, one thousand rupees and ten thousand rupees, unless otherwise directed by the Governor General in Council on the recommendation of the Central Board

The design, form and material of bank notes shall be such as may be approved by the Governor General in Council after consideration of the recommendations made by the Central Board

(1) Subject to the provisions of sub-section (2), every bank note shall be legal tender at any place in British India in payment or on account for the amount expressed therein, and shall be guaranteed by the Governor General in Council

(2) On recommendation of the Central Board the Governor General in Council may, by notification in the Gazette of India, declare that with effect from such date as may be specified in the notification, any series of bank notes of any denomination shall cease to be legal tender save at an office or agency of the Bank

The Bank shall not re-issue bank notes which are torn, defaced or excessively soiled

Notwithstanding anything contained in any enactment or rule of law to the contrary, no person shall of right be entitled to recover from the Governor General in Council or the Bank the value of any lost, stolen, mutilated or imperfect currency note of the Government of India or bank note

Provided that the Bank may, with the previous sanction of the Governor General in Council prescribe the circumstances in and the conditions and limitations subject to which the value of such currency notes or bank notes may be refunded as of grace and the rules made under this proviso shall be laid on the table of both Houses of the Central Legislature

The Bank shall not be liable to the payment of any stamp duty under the Indian Stamp Act, 1899, in respect of bank notes issued by it

(1) If in the opinion of the Governor General in Council the Bank fails to carry out any of the obligations imposed on it by or under this Act, he may, by notification in the Gazette of India, declare the Central Board to be superseded, and thereafter the general superintendence and direction of the affairs of the Bank shall be entrusted to such agency as the Governor General in Council may determine, and such agency may exercise the powers and do all acts and things which may be exercised or done by the Central Board under this Act

(2) When action is taken under this section the Governor General in Council shall cause a full report of the circumstances leading to such action and of the action taken to be laid before the Central Legislature at the earliest possible opportunity and in any case within three months from the issue of the notification superseding the Board

No person in British India other than the Bank or, as expressly authorized by this Act, the Governor General in Council shall draw, accept, make or issue any bill of exchange, hundi, promissory note or engagement for the payment of money payable to bearer on demand or borrow, owe or take up any sum or sums of money on the bills, hundis or notes payable to bearer on demand of any such person

Provided that cheques or drafts, including hundis, payable to bearer on demand or otherwise may be drawn on a person's account with a banker, shroff or agent

(1) Any person contravening the provisions of section 31 shall be punishable with fine which may extend to the amount of the bill, hundi, note or engagement in respect whereof the offence is committed

(2) No prosecution under this section shall be instituted except on complaint made by the Bank

Assets of the Issue Department

(1) The assets of the Issue Department shall consist of gold coin, gold bullion, sterling securities, rupee coin and rupee securities to such aggregate amount as is not less than the total of the liabilities of the Issue Department as hereinafter defined

(2) Of the total amount of the assets, not less than two-fifths shall consist of gold coin, gold bullion or sterling securities

Provided that the amount of gold coin and gold bullion shall not at any time be less than forty crores of rupees in value

(3) The remainder of the assets shall be held in rupee coin, Government of India rupee securities of any maturity and such bills of exchange and promissory notes payable in British India as are eligible for purchase by the Bank under sub clause (a) or sub-clause (b) of clause (2) of section 17 or under clause (1) of section 18

Provided that the amount held in Government of India rupee securities shall not at any time exceed one-fourth of the total amount of the assets or fifty crores of rupees, whichever amount is greater, or, with the previous sanction of the Governor General in Council, such amount plus a sum of ten crores of rupees

(4) For the purposes of this section, gold coin and gold bullion shall be valued at 847512 grains of fine gold per rupee, rupee coin shall be valued at its face value, and securities shall be valued at the market rate for the time being obtaining

(5) Of the gold coin and gold bullion held as assets, not less than seventeen twentieths shall be held in British India, and all gold coin and gold bullion held as assets shall be held in the custody of the Bank or its agencies

Provided that gold belonging to the Bank which is in any other bank or in any mint or treasury or in transit may be reckoned as part of the assets

(6) For the purposes of this section, the sterling securities which may be held as part of the assets shall be securities of any of the following kinds payable in the currency of the United Kingdom, namely —

(a) balances at the credit of the Issue Department with the Bank of England

(b) bills of exchange bearing two or more good signatures and drawn on and payable at any place in the United Kingdom and having a maturity not exceeding ninety days,

(c) government securities of the United Kingdom maturing within five years

the Indian Coinage Act, 1906, in such quantities as may, in the opinion of the Bank, be required for circulation, and the Governor General in Council shall supply such coins to the Bank on demand. If the Governor General in Council at any time fails to supply such coins, the Bank shall be released from its obligations to supply them to the public.

Obligation to sell sterling—The Bank shall sell, to any person who makes a demand in that behalf at its office in Bombay, Calcutta, Delhi, Madras or Rangoon and pays the purchase price in legal tender currency, sterling for immediate delivery in London, at a rate not below one shilling and five pence and forty-nine sixths of a penny for a rupee.

Provided that no person shall be entitled to demand to buy an amount of sterling less than ten thousand pounds.

Obligation to buy sterling—The Bank shall buy, from any person who makes a demand in that behalf at its office in Bombay, Calcutta, Delhi, Madras or Rangoon, sterling for immediate delivery in London, at a rate not higher than one shilling and six pence and three sixteenths of a penny for a rupee.

Provided that no person shall be entitled to demand to sell an amount of sterling less than ten thousand pounds.

Provided further that no person shall be entitled to receive payment unless the Bank is satisfied that payment of the sterling in London has been made.

Cash reserves of scheduled banks—(1) Every bank included in the Second Schedule shall maintain with the Bank a balance the amount of which shall not at the close of business on any day be less than five per cent of the demand liabilities and two per cent of the time liabilities of such bank in India as shown in the return referred to in sub section (2).

Explanation—For the purposes of this section liabilities shall not include the paid up capital or the reserves, or any credit balance in the profits and loss account of the bank or the amount of any loan taken from the Reserve Bank.

(2) Every scheduled bank shall send to the Governor General in Council and to the Bank a return signed by two responsible officers of such bank showing—

(a) the amounts of its demand and time liabilities, respectively, in India,

(b) the total amount held in India in currency notes of the Government of India and bank notes,

(c) the amounts held in India in rupee coin and subsidiary coin, respectively

(d) the amounts of advances made and of bills discounted in India, respectively and

(e) the balance held at the Bank, at the close of business on each Friday or if Friday is a public holiday under the Negotiable Instruments Act, 1881, at the close of business on the preceding working day, and such return shall be sent not later than two working days after the date to which it relates.

Provided that where the Bank is satisfied that the furnishing of a weekly return under this sub section is impracticable in the case of any scheduled bank by reason of the geographical position of the bank and its branches, the Bank may require such bank to furnish in lieu of a weekly return a monthly return to be despatched not later than fourteen days after the end of the month to which it relates giving the details specified in this sub section in respect of such bank at the close of business for the month.

(3) If at the close of business on any day before the day fixed for the next return, the balance held at the Bank by any scheduled bank is below the minimum prescribed in sub-section (1), such scheduled bank shall be liable to pay to the Bank in respect of each such day penal interest at a rate three per cent above the bank rate on the amount by which the balance with the Bank falls short of the prescribed minimum, and if on the day fixed for the next return such balance is still below the prescribed minimum as disclosed by this return, the rates of penal interest shall be increased to a rate five per cent above the bank rate in respect of that day and each subsequent day on which the balance held at the Bank at the close of business on that day is below the prescribed minimum.

(4) Any scheduled bank failing to comply with the provisions of sub-section (2) shall be liable to pay to the Governor General in Council or to the Bank, as the case may be, or to each, a penalty of one hundred rupees for each day during which the failure continues.

(5) The penalties imposed by sub sections (3) and (4) shall be payable on demand made by the Bank, and, in the event of a refusal by the defaulting bank to pay on such demand, may be levied by a direction of the principal Civil Court having jurisdiction in the area where an office of the defaulting bank is situated, such direction to be made only upon application made in this behalf to the Court by the Governor General in Council in the case of a failure to make a return under sub section (2) to the Governor General in Council, or by the Bank with the previous sanction of the Governor General in Council in other cases.

(6) The Governor General in Council shall, by notification in the Gazette of India, direct the inclusion in the Second Schedule of any bank not already so included which carries on the business of banking in British India and which—

(a) has a paid-up capital and reserves of an aggregate value of not less than five lakhs of rupees, and

(b) is a company as defined in clause (2) of section 2 of the Indian Companies Act, 1913, or a corporation or a company incorporated by or under any law in force in any place outside British India,

and shall by a like notification direct the exclusion from that Schedule of any scheduled bank the aggregate value of whose paid-up

ants or other persons to assist him in investigating such accounts, and may, in relation to such accounts, examine any Director or officer of the Bank

(2) The auditors shall make a report to the shareholders or to the Governor General in Council, as the case may be, upon the annual balance sheet and accounts, and in every such report they shall state whether, in their opinion, the balance sheet is a full and fair balance-sheet containing all necessary particulars and properly drawn up so as to exhibit a true and correct view of the state of the Bank's affairs, and, in case they have called for any explanation or information from the Central Board, whether it has been given and whether it is satisfactory. Any such report made to the shareholders shall be read together with the report of the Central Board, at the annual general meeting

Returns—(1) The Bank shall prepare and transmit to the Governor General in Council a weekly account of the Issue Department and of the Banking Department in the form set out in the Fifth Schedule or in such other form as the Governor General in Council may, by notification in the Gazette of India, prescribe. The Governor General in Council shall cause these accounts to be published weekly in the Gazette of India

(2) The Bank shall also, within two months from the date on which the annual accounts of the Bank are closed, transmit to the Governor General in Council a copy of the annual accounts signed by the Governor, the Deputy Governors and the Chief Accounting Officer of the Bank, and certified by the auditors, together with a report by the Central Board on the working of the Bank throughout the year, and the Governor General in Council shall cause such accounts and report to be published in the Gazette of India

(3) The Bank shall also, within two months from the date on which the annual accounts of the Bank are closed, transmit to the Governor General in Council a statement showing the name, address and occupation of, and the number of shares held by, each shareholder of the Bank

Agricultural Credit Department—The Bank shall create a special Agricultural Credit Department the functions of which shall be—

(a) to maintain an expert staff to study all questions of agricultural credit and be available for consultation by the Governor General in Council, Local Governments, provincial co-operative banks, and other banking organisations

(b) to co-ordinate the operations of the Bank in connection with agricultural credit and its relations with provincial co-operative banks and any other banks or organisations engaged in the business of agricultural credit

(1) the Bank shall, at the earliest practicable date and in any case within three years from the date on which this Chapter comes into

force, make to the Governor General in Council a report, with proposals, if it thinks fit, for legislation, on the following matters, namely—

(a) the extension of the provisions of this Act relating to scheduled banks to persons and firms, not being scheduled banks, engaged in British India in the business of banking, and

(b) the improvement of the machinery for dealing with agricultural finance and methods for effecting a closer connection between agricultural enterprise and the operations of the Bank

(2) When the Bank is of opinion that the international monetary position has become sufficiently clear and stable to make it possible to determine what will be suitable as a permanent basis for the Indian monetary system and to frame permanent measures for a monetary standard it shall report its views to the Governor General in Council

(1) The Local Board of any area may at any time require any shareholder who is registered on the register for that area to furnish to the Local Board within a specified time, not being less than thirty days, a declaration, in such form as the Central Board may by regulations prescribe, giving particulars of all shares on the said register of which he is the owner

(2) If it appears from such declaration that any shareholder is not the owner of any shares which are registered in his name, the Local Board may amend the register accordingly

(3) If any person required to make a declaration under sub-section (1) fails to make such declaration within the specified time, the Local Board may make an entry against his name in the register recording such failure and directing that he shall have no right to vote, either under section 9 or section 14, by reason of the shares registered in his name on that register

(4) Whoever makes a false statement in any declaration furnished by him under sub-section (1) shall be deemed to have committed the offence of giving false evidence defined in section 191 of the Indian Penal Code, and shall be punishable under the second paragraph of section 193 of that Code

(5) Nothing contained in any declaration furnished under sub-section (1) shall operate to affect the Bank with notice of any trust, and no notice of any trust expressed, implied or constructive shall be entered on the register or be receivable by the Bank

(6) Until Local Boards have been constituted under section 9 the powers of a Local Board under this section shall be exercised by the Central Board in respect of any area for which a Local Board has not been constituted

(1) Nothing in the Indian Companies Act, 1913, shall apply to the Bank, and the Bank shall not be placed in liquidation save by order of the Governor General in Council and in such manner as he may direct

(2) In such event the Reserve Fund and surplus assets, if any, of the Bank shall be divided between the Governor General in Council and the shareholders in the proportion of seventy-five per cent and twenty-five per cent, respectively

Provided that the total amount payable to any shareholder under this section shall not exceed the paid up value of the shares held by him by more than one per cent for each year after the commencement of this Act subject to a maximum of twenty five per cent

(1) The Central Board may, with the previous sanction of the Governor General in Council, make regulations consistent with this Act to provide for all matters for which provision is necessary or convenient for the purpose of giving effect to the provisions of this Act

(2) In particular and without prejudice to the generality of the foregoing provision, such regulations may provide for all or any of the following matters, namely —

(a) the holding and conduct of elections under this Act, including provisions for the holding of any elections according to the principle of proportional representation by means of the single transferable vote,

(b) the final decision of doubts or disputes regarding the qualifications of candidates for election or regarding the validity of elections,

(c) the maintenance of the share register, the manner in which and the conditions subject to which shares may be held and transferred, and, generally, all matters relating to the rights and duties of shareholders,

(d) the manner in which general meetings shall be convened, the procedure to be followed thereat and the manner in which votes may be exercised,

(e) the manner in which notices may be served on behalf of the Bank upon shareholders or other persons,

(f) the manner in which the business of the Central Board shall be transacted, and the procedure to be followed at meetings thereof,

(g) the conduct of business of Local Boards and the delegation to such Boards of powers and functions,

(h) the delegation of powers and functions of the Central Board to the Governor, or to Deputy Governors, Directors or officers of the Bank,

(i) the formation of Committees of the Central Board, the delegation of powers and functions of the Central Board to such Committees, and the conduct of business in such Committees,

(j) the constitution and management of staff and superannuation funds for the officers and servants of the Bank,

(l) the manner and form in which contracts binding on the Bank may be executed,

(l) the provision of an official seal of the Bank and the manner and effect of its use,

(m) the manner and form in which the balance sheet of the Bank shall be drawn up and in which the accounts shall be maintained,

(n) the remuneration of Directors of the Bank,

(o) the relations of the scheduled banks with the Bank and the returns to be submitted by the scheduled banks to the Bank,

(p) the regulation of clearing houses for the scheduled banks,

(q) the circumstances in which, and the conditions and limitations subject to which the value of any lost, stolen, mutilated or imperfect currency note of the Government of India or bank note may be refunded, and

(r) generally, for the efficient conduct of the business of the Bank

(3) Copies of all regulations made under this section shall be available to the public on payment

In the Indian Coinage Act, 1906, for section 11 the following section shall be substituted, namely —

“11 Gold coins, coined at His Majesty's Royal Mint in England or at any mint established in pursuance of a proclamation of His Majesty as a branch of His Majesty's Royal Mint, shall not be legal tender in British India in payment or on account, but such coins shall be received by the Reserve Bank of India at its offices, branches and agencies in India at the bullion value of such coins calculated at the rate of 8 47512 grains troy of fine gold per rupee”

The Indian Paper Currency Act, 1923, the Indian Paper Currency (Amendment) Act, 1923, the Indian Paper Currency (Amendment) Act, 1925, and the Currency Act, 1927, are hereby repealed

In sub section (3) of section 11 of the Indian Companies Act, 1913, after the word ‘Royal’ the words ‘Reserve Bank’ shall be inserted

Trade.

India is pre eminently an agricultural country, and that fact dominates the course of its trade. The great export staples are the produce of the soil—wheat, seeds, cotton and jute. If we look back on the course of Indian trade over a long period of years we shall note a striking development towards stability. In the days that are past, the outturn of the soil was subjected to periodic shocks from famines arising from the failure of the rains, when the export trade in these staples dwindled to small proportions. But the spread of irrigation has produced a great change, and though no doubt in future heavy losses may be incurred from the weakness of the monsoons, they are never likely to be as catastrophic as in such year as 1896-97 and 1899-1900. Well over thirty per cent of the culturable area of the Punjab is under irrigation, and huge new works are in progress to utilise the waters of the Sutlej, and of the Indus in Sind. Whilst these great works have been carried out or are in progress to spill on the land the floods of the snowed rivers of the North, other works of a less imposing character have safeguarded the arid tracts of the South. A chain of storage lakes arrests the rains of the Western Ghats and through canals spreads them over the parched lands of the Deccan. The rivers of the South like the Cauvery are being harnessed to preserve their flood waters for Madras. All over India irrigation works, large and small, are being restlessly pressed forward, and their effect is to give a far greater stability to Indian agriculture.

The destination of these surplus crops is another factor of importance. The great customer for Indian cotton is Japan, and to a lesser extent the Continent of Europe. Continental Europe is also a large buyer of her oilseeds and another produce, and of her hides and skins. Whilst the United Kingdom is the great market for tea and wheat, foreign countries are very important facts in the Indian export trade, therefore India had a vital interest in the economic recovery of Europe. When the post-war boom collapsed it hit India hard and

for a year or two the export trade reeled under the shock. The progress of the Dawes Plan and the measures taken under the League of Nations to assist Austria and Hungary back to industrial health had a special bearing on the prosperity of India, they have been elements of importance in inducing her recovery of prosperity.

But whilst India is pre eminently an agricultural country, she ranks at the International Labour Office at Geneva as one of the great industrial countries of the world. Her manufacturing industries are few in number and are concentrated in a few areas, but they are of great importance. The largest is the cotton textile industry, which has its home in the town and Island of Bombay, with important subsidiary centres at Ahmedabad, Sholapur and Nagpur. Next in importance is the jute industry. Raw jute is a virtual monopoly of Bengal, and the jute mills are concentrated in and near Calcutta. The metallurgical industry is of more recent growth. The principal centre is Jamshedpur, the seat of the works of the Tata Iron and Steel Company where subsidiary industries have sprung up to utilise the products of the blast furnaces and mills. A very large proportion of the jute manufactures is exported. The cotton textile industry has lost a considerable part of its export trade to Japan, the Far East and East Africa, the mills find their principal outlet in India itself, and even there they are subject to severe competition from Japan and China. The iron and steel industry is for the most part a home industry, though large quantities of Indian pig iron are shipped to the Far East, and in some years to the western ports of North and South America. Therefore, whilst India is still in the main an agricultural country, three quarters of her population drawing their sustenance from the soil, her manufacturing industries are of large and growing importance, and their prosperity every year affects in an increasing degree the general prosperity of the people.

I — GENERAL

Agricultural Conditions in India—The monsoon of 1932 was fairly normal and gave, on the whole, well distributed rains in spite of a rather weak start and a prolonged break in August. Averaged over the plains of India the total rainfall during the monsoon period was only 3 per cent below the normal. During the retreating period of the monsoon the rainfall was in excess in Bengal, Bombay, Mysore, Assam, Bihar and Orissa, Punjab, Hyderabad and Madras but defective elsewhere. Taking the year as a whole the total rainfall was within 20 per cent of the normal over most of the country. The season was generally favourable,

and crops fairly good. The outturn of rice, though it fell short of last year's plentiful harvest by 7 per cent was quite good being almost equal to the average of the preceding five years. A very good yield was obtained for the sugarcane crop of 1932-33 and the total production exceeded the previous year's record yield by 17 per cent. The outturns of cotton and sesamum increased by 12 and 14 per cent respectively, and those of groundnut and castor seed by 25 and 1 per cent respectively as compared with the preceding year. Under restricted cultivation the production of jute in 1932 amounted only to 5.8 million bales, which, though slightly

greater than the previous year's yield, was still about half the average production during the preceding five years. The wheat crop of 1931-32, which moved mostly during the year under review, was 3 per cent less than that of the preceding season, but was slightly above the average of the preceding five years. The production of rape, mustard and linseed (winter oilseeds) crops for 1931-32 also showed increases of 4 and 10 per cent respectively as compared with the preceding season.

Industrial Situation in India—The year 1932 must be considered as satisfactory so far as industrial disputes are concerned, for the numbers of strikes and of workers involved during the year were the lowest recorded for any year since 1920. Such strikes as did occur

during 1932 mostly affected the railways and jute mills, the only serious crises being the strikes in the workshops of the Madras and Southern Mahratta Railways at Perambur, Arkonum and Hubli and in the Howrah, Kinnison, Kelvin and Standard Jute Mills in Bengal. The first quarter of the year 1933, however, has already been marked by disputes in the Bombay cotton mills.

Volume of Trade—The following figures have been compiled to show the values of imports and exports of merchandise on the basis of the declared values in 1913-14. These statistics are necessarily approximate, but they are sufficiently accurate to afford a fairly reliable measure of the course of trade —

(In crores of Rupees)

	1913-14	1924-25	1925-26	1926-27	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
Imports	183	137	143	156	181	190	189	157	143	162
Exports	144	250	246	228	248	260	263	235	200	176
Total trade in merchandise excluding re-exports	437	387	389	384	429	450	452	392	343	338

The table above shows a further retrogression from the level of 1931-32, indicating as it does a decline of Rs 5 crores, on the basis of 1913-14 prices, in the total trade in merchandise (excluding re-exports). It is significant that the decline was confined to the export side, the imports having shown an increase of Rs 19 crores.

Prices in India—The index number for Calcutta wholesale prices fell by 43 per cent from September, 1929, to March, 1933. The index in September, 1931, was 91 as against 143 in the same month in 1929. For the five months October, 1931 to February, 1932, the index number was steady, ranging between 96 to 98, owing to the dissociation of the sterling from gold, but from March, 1932, the decline started again. Recently there has been a slight tendency generally to a rise in prices and the Indian Calcutta index number also records an increase from 82 in March, 1933, to 89 in June, 1933, which is a hopeful sign. Apart from the tendency, there were few indications, however, that the turning point in the world depression had been reached. The main characteristic of the Indian price index numbers during the past few years, is the larger fall in agricultural prices as compared with industrial prices. Another noticeable feature is that the distinct improvement in prices of most of the staple com-

modities, which marked the close of the year 1931 and the beginning of the year 1932, was not in evidence later. Coming to details the heaviest declines in December, 1930, were in cotton raw, jute raw, wheat and oilseeds, in December, 1931, in oilseeds, tea, hides and skins and rice, in December, 1932, in jute raw, oilseeds, and tea, rice, and hides and skins, in March, 1933, in oilseeds, rice and jute raw, hides and skins and tea, and in June, 1933, in oilseeds, jute raw, rice, cotton raw, and hides and skins. It will be thus seen that the heaviest declines have invariably been in raw materials. Among manufactured articles, the slump in prices of jute manufactures was consistently heavier than in the prices of any other manufactured article, cotton manufactures and metals following in order. Of agricultural products, sugar suffered least, largely as a result of the increased import duties on this article.

Imports—The total value of the imports of merchandise into British India during 1932-33 amounted to Rs 133 crores and that of exports to Rs 136 crores. Compared with the preceding year, there was an improvement of Rs 7 crores or 5 per cent in the case of imports, while there was a decline of Rs 25 crores or 15 per cent under exports. On the import side there was an improvement noticeable in India's demand for

foreign textiles The increase recorded under this head amounted to one of Rs 12 crores on a total of Rs 35 crores recorded in 1931-32. Expressed in percentages, this meant an advance of 34 per cent over the figures for 1931-32 and of 13 per cent over those of 1930-31. The advance under the textile group was primarily the result of larger imports of cotton piecegoods, the total receipts of which amounted to 1,225 million yards valued at Rs 21,26 lakhs as compared with 776 million yards valued at Rs 14,67 lakhs in 1931-32. All the principal descriptions of cotton piecegoods participated in this improvement, grey goods increasing by 107 million yards, whites by 133 million yards and coloured by 202 million yards. Imports from the United Kingdom as well as Japan recorded advances under all the descriptions. Arrivals of cotton twist and yarn also rose from 31.6 million lbs valued at Rs 2,99 lakhs to 45.1 million lbs valued at Rs 3,79 lakhs. There were concurrent advances under some of the other important items included in the textile group—notably an increase of Rs 1,59 lakhs under silk raw and manufactured, of Rs 1,34 lakhs under wool and woollens and of Rs 72 lakhs under artificial silk (including yarn and goods of artificial silk mixed with other materials). Owing to increased finer spinning in the local mills the imports of raw cotton rose still further from 79,000 tons to 85,000 tons. Under the metals group there was a decline of Rs 5 lakhs. Imports of iron and steel fell from 371,000 tons to 326,000 tons in quantity and from Rs 6,32 lakhs to Rs 5,30 lakhs, in value. Under machinery and mill work there was a decline of Rs 38 lakhs, although sugar and textile machinery recorded increases. The value of hardware imported advanced from Rs 2,61 lakhs to Rs 2,99 lakhs. The year witnessed a further diminution in the imports of motor vehicles from Rs 2,89 lakhs to Rs 2,43 lakhs, the number of motor cars imported having fallen from 7,220 to 6,201 and that of omnibuses from 4,302 to 2,676. Concomitantly with the reduction under motor vehicles, the value of the imports of rubber manufactures also declined from Rs 2,21 lakhs to Rs 1,98 lakhs. Mainly as a result of the increased local production under the shelter of the protective duty, India's requirements of foreign sugar of all kinds fell from 556,000 tons valued at Rs 6,16½ lakhs to 401,000 tons valued at Rs 4,23 lakhs. Arrivals of mineral oils also declined from 217 million gallons to 188 million gallons and in value from Rs 9,04 lakhs to Rs 6,70 lakhs. Imports of kerosene oil declined from 85.7 million gallons to 59.5 million gallons, while those of fuel oils advanced from 100.8 million gallons to 104.5 million gallons. Consignments of provisions also contracted from Rs 3,41 lakhs to Rs 2,93 lakhs, chiefly due to a falling off in the value on vegetable products, condensed milk and farinaceous foods. Imports of paper and pasteboard recorded an improvement of 449,000 cwts in quantity and of Rs 36 lakhs in value. Arrivals of wheat fell away from 111,300 tons to 33,500 tons in quantity and from Rs 73 lakhs to Rs 29 lakhs in value.

Exports.—On the export side, the outstanding feature was a further slump in the raw cotton trade due to comparatively high prices of the Indian staples. Despatches of raw cotton fell from 2,369,000 bales valued at Rs 23 crores to

2,063,000 bales valued at Rs 20 crores. Cotton manufactures (including twist and yarn) recorded a decline of Rs 1½ crores and amounted to Rs 3 crores. Exports of twist and yarn receded from 22 million lbs to 15 million lbs in quantity and from Rs 1,28 lakhs to Rs 79 lakhs in value. Owing to severe competition from Japan in practically all the usual markets abroad shipments of Indian cotton piecegoods dropped from 104.6 million yards worth Rs 3,24 lakhs to 66.4 million yards worth Rs 2,09 lakhs. The downward movement in the export trade in jute continued during the year and the decline in the value of raw and manufactured jute exported amounted to one of about Rs 1½ crores. Shipments of raw jute declined from 3,285,000 bales to 3,153,000 bales in quantity and from Rs 11,19 lakhs to Rs 9,73 lakhs in value. Exports of gunny bags, however, advanced from 389 millions valued at Rs 10,94 lakhs to 415 millions valued at Rs 11,16 lakhs, while those of gunny cloth shrank from 1,021 million yards worth Rs 10,45 lakhs to 1,012 million yards worth Rs 10,24 lakhs. Under goods grams the value of the shipments declined from Rs 20,37 lakhs to Rs 16,08 lakhs and the quantity from 2,614,000 tons to 2,056,000 tons. Exports of wheat which had amounted to 20,000 tons in 1931-32 fell away to 2,000 tons only in 1932-33. Despatches of rice dropped from 2,372,000 tons to 1,887,000 tons in quantity and from Rs 18,14 lakhs to Rs 14,46 lakhs in value. Shipments of tea improved in quantity from 342 million lbs to 379 million lbs, but on account of the low level of prices the value declined from Rs 19,44 lakhs to Rs 17,15 lakhs. Exports of oilseeds amounted to 733,000 tons valued at Rs 11,31 lakhs, which meant a decline of 26 per cent in quantity and of 22 per cent in value in comparison with the exports of the preceding year. The decline was chiefly due to a falling off in the demands for groundnuts from 672,000 tons to 433,000 tons, for linseed from 120,000 tons to 72,000 tons, and for castor-seed from 104,000 tons to 86,000 tons. Rapeseed, however, recorded an improvement of 61,000 tons in quantity and of Rs 80 lakhs in value. Despatches of metals and ores declined from 829,000 tons worth Rs 5,47 lakhs to 695,000 tons worth Rs 4,68 lakhs. There was a decline in the shipments of hides and skins from 49,300 tons valued at Rs 8,92 lakhs to 41,700 tons valued at Rs 7,43 lakhs. Exports of lac amounted to 418,300 cwts valued at Rs 1,24 lakhs which represented a decline of 10 per cent in quantity and of 33 per cent in value in comparison with the corresponding figures for 1931-32. Exports of coffee rose by 18,000 cwts in quantity and by Rs 15 lakhs in value.

Balance of Trade.—The visible balance of trade in merchandise and treasure for the year 1932-33 was in favour of India to the extent of Rs 68 crores as compared with Rs 90 crores in 1931-32, Rs 38 crores in 1930-31 and the record figure of Rs 109 crores in 1925-26. The transactions in treasure on private account resulted in a net export of treasure, amounting to Rs 65 crores as against Rs 55½ crores in the preceding year. Gold showed a net export of Rs 6½ crores and silver a net import of Rs 73 lakh. Net exports of currency notes amounted to Rs 13 lakhs.

Tariff Changes—The changes in the tariff made under the various Acts passed during the latter part of 1931 and the earlier part of 1932 were dealt with in the preceding year's Review. Since then seven Acts have been passed, introducing numerous changes in the tariff.

The most important of these Acts is the Indian Tariff (Ottawa Trade Agreement) Amendment Act, 1932, which gave effect to the tariff changes necessitated by the Trade Agreement made by the Government of India and His Majesty's Government in the United Kingdom at the Imperial Economic Conference held at Ottawa during July-August, 1932. Hitherto the Indian tariff was a single decker one and did not differentiate between imports from different countries, except in the case of certain protected classes of iron and steel goods and cotton piecegoods where higher rates of duty on goods manufactured in countries other than the United Kingdom were imposed. Under the Ottawa Trade Agreement India for the first time departed from the single decker tariff policy and adopted, on terms of reciprocity, tariff preference for certain classes of goods produced or manufactured in the United Kingdom. The Agreement also provided for the exchange of preference with the non self governing Colonies and Protectorates.

On the part of India this Agreement involved the grant to the United Kingdom of a 7½ per cent tariff preference on certain classes of motor vehicles (motor cars and motor omnibuses, chassis for motor omnibuses, motor vans and motor lorries and parts and accessories thereof) and a 10 per cent tariff preference on the following classes of goods—

Apparel (excluding hosiery and articles made of silk or artificial silk), certain arms and ammunition, asbestos manufactures, boots and shoes of leather, brushes and brooms, certain building and engineering materials, buttons, certain chemicals and chemical preparations excluding manures, cocoa and chocolate, confectionery, cordage and rope other than of jute and cotton, cork manufactures, cutlery, drugs and medicines except narcotics, earthenware and porcelain, furniture and cabinet-ware, glue, hardware excluding electro-plated ware, instruments apparatus and appliances and parts thereof (electrical, musical, photographic, scientific and philosophical, surgical, wireless and miscellaneous), leather and certain manufactures thereof, liquors (ale and beer, spirit in drugs, etc., and perfumed spirit), certain machinery and millwork, metals (aluminium, brass, bronze and similar alloys, copper, German silver, certain classes of iron and steel, lead wrought and zinc wrought or manufactured), oils (fish oil, certain essential oils, mineral lubricating oil, petroleum in paints, etc., and vegetable oils other than coconut groundnut and linseed), oil cloth and floor cloth, engine and boiler packing, certain paints and painters' materials, certain classes of paper and pasteboard, certain kinds of provisions and oilman's stores, rubber manufactures, smokers' requisites, toilet soap, stationery, textiles (haberdashery and millinery), woollen manufactures other than blankets and rugs, toilet requisites, toys and requisites for

games and sports, umbrellas and umbrella fittings, vehicles not mechanically propelled and cycles.

In most of these classes of goods the preference was subject to certain specified exceptions and also to the general reservation that it did not extend to—

- (a) commodities to which protective duties are applicable,
- (b) commodities which were free of duty at that time, or
- (c) commodities on which on grounds of national policy a specially low rate of duty had been imposed.

In the class of iron and steel goods, the preference extended only to those commodities which were not subject to protective duties and in the class of machinery only to those articles which paid ordinary revenue rate of 25 per cent *ad valorem* and not to those which in the interests of agriculture and industries were free of duty or were subject only to the temporary duty of 10 per cent *ad valorem*. In the class of textiles it extended only to articles of apparel, haberdashery and millinery which were dutiable at 25 per cent *ad valorem* and to woollen manufactures, with specified exceptions in each case. As regards goods made of cotton, silk or artificial silk, it was agreed that a 10 per cent preference would be extended to these goods with the exception of certain cotton manufactures (twist and yarn, piecegoods, thread for sewing, blankets, handkerchiefs in the piece, hosiery, rope and towels in the piece), silk and artificial silk yarn, piecegoods and thread for sewing certain goods of silk and artificial silk mixed with other materials (twist and yarn, piecegoods and thread for sewing) and articles on which protective duties might be imposed as a result of the Indian Tariff Board's enquiry which was being conducted at that time.

In the case of Colonies and Protectorates, the Agreement provided for the grant by India of preference to certain staple exports of the Colonial Empire including—

Specified gums and resins, oil seeds, vegetable and essential oils, unground spices, coconuts and coconut products, fish, fruits and vegetables, sago and tapioca, tea, coffee rum and unmanufactured tobacco.

A Supplementary Agreement regarding iron and steel was entered into between the two Governments in the September following, which provided for the adjustment of the Indian import duty on galvanised sheets as shown below—

Rs 30 per ton on sheet made in the United Kingdom from Indian sheet bar

Rs 53 per ton on sheet made in the United Kingdom from other sheet bar

Rs 83 per ton on sheet not made in the United Kingdom

These revised duties will remain in force till the 31st March 1934.

The Tariff Amendment Act mentioned above made necessary changes in Schedule II to the Indian Tariff Act, 1894, with effect from 1st

January, 1933 The articles subject to the preferential rates of duty are included in two new parts, VIII and IX, to Schedule II Part VIII contains all the articles which were dutiable under Part V at the general revenue duty of 25 per cent *ad valorem* and which are now liable to the standard rate of 30 per cent and the preferential rate of 20 per cent for British goods Part IX contains all the articles on the preferential list which were dutiable at special rates, that is, at rates either higher than or lower than the general revenue rate In these cases the necessary preference has been provided for either by entirely raising the previous rate or partly by raising and partly by lowering it, the standard rate having in no case gone beyond 50 per cent *ad valorem*

The Cotton Textile Industry Protection (Amendment) Act, 1933, extended the operation of the protective duties imposed under the Cotton Textile Industry (Protection) Act, 1930 These duties were to expire on the 31st March, 1933, but the Amendment Act extended their operation up to 31st October, 1933, pending the consideration by the Government of India of the Tariff Board's Report on the Indian cotton textile industry

The Wheat Import Duty (Extending) Act, 1932, extended the operation of the temporary customs duty on wheat and wheat flour to 31st March 1934

The Salt Additional Import Duty (Extending) Act, 1933, extended for another year the operation of the 1931 Act, subject to certain modifications, as recommended by the Salt Industry Committee of the Legislative Assembly It reduced the additional duty from 4½ as to 2½ as per maund and extended its operation to 31st March, 1934

The Indian Finance Act, 1933, fixed (i) a minimum specific duty of 2 as (excluding surcharge) on uppers of boots and shoes not entirely made of leather and (ii) minimum specific duties of 4 as per square yard and 2 as 3p per square yard respectively, with no surcharge, on artificial silk piecegoods and silk or artificial silk mixtures It also rounded off the *ad valorem* duty of 34½ per cent (including surcharge) on these mixtures to 35 per cent with no surcharge This Act was passed on the 31st March, 1933, but under the provisions of the Provisional Collection of Taxes Act, 1931 the tariff changes mentioned above came into force on the 1st of that month

The Indian Tariff (Ottawa Trade Agreement) Supplementary Amendment Act, 1933, corrected, with effect from the 8th April 1933, a few inaccuracies and discrepancies in the 1932 Act which had been brought to light by a further scrutiny of the schedules to that Act and by practical experience of the new tariffs The

reference to ferrous sulphate was deleted from item No 88 as it had already been specified elsewhere as green copperas Alum, the protective duty on which lapsed on the 31st March, was included in the non-preferential descriptions of chemicals The preference inadvertently given to British manufactures in respect of moist white lead and newsprinting paper was withdrawn Copper braziers were grouped with copper sheets liable to preferential rate Tea chests and parts and fittings thereof were specified separately and were made liable to the ordinary non-preferential rate The preference to British incandescent mantles was made clear, while, on administrative grounds, the lubricating oil item was re drafted to include oils other than mineral, pure and mixed, which are not ordinarily used for any purpose other than lubrication The preferential rate for colonial products was withdrawn in the case of certain glass-making chemicals Gold and gold-plated pen nibs were specified separately with the United Kingdom preference, while in the interest of the Indian industry, two glass-making materials, liquid gold and covered crucibles, were given a specially low preferential rate of duty

The Indian Tariff (Amendment) Act, 1933, amended sub items (i) and (ii) in item No 148A relating to galvanized iron or steel sheets of British manufacture and made it clear that the preferential rate is applicable only to sheets manufactured from Indian sheet bar imported into the United Kingdom after the ratification of the Ottawa Trade Agreement

The protective duties imposed under the **Heavy Chemical Industry (Protection) Act, 1930**, on hydrochloric, nitric and sulphuric acids, alum, aluminium sulphate, copper sulphate, magnesium sulphate, sodium sulphate, sodium sulphide and zinc chloride lapsed on the 31st March, 1933, and these became liable to the ordinary duty with or without preference, to the United Kingdom manufacture Magnesium chloride, however, continues to be liable to the protective duty

Besides the statutory changes mentioned above, the period of operation of the additional protection accorded to iron or steel galvanized sheets, fabricated, and pipes and tubes made therefrom has been extended to 31st March, 1934, under section 3 (4) of the Indian Tariff Act, 1894 Similarly, under section 3 (5) of the above Act, the import duty on non-British cotton piecegoods was increased to 50 per cent *ad valorem* with a minimum specific duty of 5½ as per lb in the case of plain grey with effect from 30th August, 1932 With effect from 7th June, 1933, these rates have been further increased to 75 per cent *ad valorem* and 6½ as per lb respectively

Imports—(continued)

(In thousands of Rupees)

	1928-29	1929-30	1930-31	1931-32	1932-33	Percentage on total imports of merchandise in 1932-33
Ten	74,22	63,90	45,68	43,57	31,63	27
Jewellery, also plate of gold and silver	15,62	26,25	39,34	19,18	34,43	26
Bobbins	35,96	39,88	42,99	31,91	28,57	22
Umbrellas and fittings	57,19	43,66	31,09	30,16	27,77	21
Tallow and stearine	24,63	31,02	27,23	20,79	24,65	19
Cutlery	36,37	41,41	26,05	20,69	21,27	18
Gums and resins	38,95	41,96	31,07	24,25	23,63	18
Paper making materials	41,51	44,95	42,07	35,99	22,09	17
Furniture and cabinetware	36,98	37,66	27,73	20,11	17,65	14
Flax raw and manufactures	35,45	33,38	21,69	17,75	16,75	13
Animals, living	35,71	32,42	20,86	42,06	14,79	11
Fish (excluding canned fish)	25,76	26,31	23,86	13,42	13,66	10
Jute and jute goods	26,58	24,20	18,37	12,78	13,49	10
Clocks and watches and parts	27,61	23,47	16,86	11,21	12,75	10
Coal and coke	39,10	45,55	34,69	14,28	9,63	8
Matches	17,22	10,89	4,11	1,05	52	01
All other articles	15,26,61	14,33,69	10,53,76	9,64,95	10,31,73	7 78
TOTAL VALUE OF IMPORTS	253,30,60	240,79,69	164,79,37	126,37,14	132,58,43	100

Cotton Manufactures (Rs 26,83 lakhs)—The total value of the imports of cotton manufactures in the year under review amounted to Rs 26,83 lakhs as against Rs 19,15 lakhs in the preceding year and Rs 25,26 lakhs in 1930-31. Thus it will be seen that the imports under this head revived considerably as compared with the preceding year and even exceeded the figure of 1930-31. As compared with 1929-30, however, there was still much leeway to be made up, the value of the imports in that year having amounted to Rs 59,49 lakhs. Imports of cotton twist and yarn amounted to 45.1 million lbs valued at Rs 3,79 lakhs as against 31.6 million lbs valued at Rs 2,99 lakhs in 1931-32. Thus there was an increase of 13.1 million lbs or 43 per cent in the imports under this head. Imports of piecegoods in the year under review were 1,225 million yards valued at Rs 21,26 lakhs as compared with 776 million yards valued at Rs 14,67 lakhs in 1931-32 and 890 million yards valued at Rs 20,05 lakhs in 1930-31. The increase in yardage as compared with the preceding year was, therefore, 450 million yards and even compared with 1930-31 that was 335 million yards. Compared with the last normal year, 1929-30, however, the imports were 694 million yards less.

It will be seen from the above figures that the import trade in cotton manufactures showed a distinct improvement as compared with the preceding year or even with 1930-31. Compared with 1929-30, the last normal year, however, the trade was still considerably smaller. The improvement in the year under review was of considerable magnitude and it will be worth while examining the causes of this upward movement. The first cause which suggests itself is a probable revival in the demand for piecegoods, the consumption of which had fallen off considerably in the previous two years. It will be seen from the table that the

amount available for consumption was 333 and 364 crores of yards in 1930-31 and 1931-32 respectively as compared with 419 crores of yards in 1929-30, 365 crores of yards in 1928-29 and 413 crores of yards in 1927-28. Thus the postponement of demand which was the result of the peculiar conditions of the two previous years may have led to a better demand in the year under review. A second cause which also improved the demand was the considerably lower prices of piecegoods which ruled in the year under review. The declared values of all classes of piecegoods touched lower levels, the fall being greater in the cases of white and coloured goods. The Calcutta index number in the case of cotton manufactures, which is an index of internal prices, fell much further than in the previous years. The index was 127 in April 1931, and in spite of a very slight fall in the end of the year 1931-32 it remained at 127 in April 1932. By April, 1933, however, the index had fallen to 112. This fall in the prices of cotton manufactures certainly encouraged their consumption, especially as this fall tended to reduce, to some extent, the wide disparity between the fall in the agricultural incomes of the masses and the fall in the cost of the imported goods which they bought. The chief cause of the fall in prices of cotton piecegoods was the selling of cotton piecegoods in India by Japan at very low rates. The depreciating yen exchange helped Japan in this respect and even the additional duty placed on these imports in the middle of the year did not stem the tide, as the Japanese manufacturers' advantage increased with the further depreciation of the rupee yen exchange. The very low prices at which Japanese goods were offered greatly increased their consumption and the prices of competing goods of other than Japanese origin had also to be lowered to keep pace. These lower prices created a better effective demand for piecegoods and consequently the consumption as well as imports

improved considerably. This has been one of the most important causes of the improvement in piecegoods imports. A third cause of the increase in imports is to be found in the comparative weakness of the boycott agitation in the year under review. Owing to the measures adopted by Government the agitation had been considerably weakened and the trade in imported piecegoods became profitable again. These causes led to an increase in imports both from Japan and the United Kingdom, but owing to the low prices which Japan would take her share increased far more than that of the United Kingdom.

The value of the different classes of cotton manufactures imported during the past five years and the pre war year 1913-14 is set forth below —

	1913-14 (pre war year)	1928-29	1929-30	1930-31	1931-32	1932-33
	Rs (lakhs)	Rs (lakhs)	Rs (lakhs)	Rs (lakhs)	Rs (lakhs)	Rs (lakhs)
Twist and yarn	1.16	6.20	6.00	3.08	2.00	3.70
Piecegoods—						
Grey (unbleached)	25.45	20.10	20.93	6.87	3.02	5.07
White (bleached)	11.20	15.33	13.27	6.20	5.11	7.33
Coloured, printed or dyed	17.86	17.35	15.15	6.82	5.05	8.34
Fents of all descriptions	54	94	90	16	37	52
Total Piecegoods	58.14	53.81	50.25	20.05	14.67	21.26
Hosiery	1.20	1.45	1.41	.88	.15	.67
Handkerchiefs and shawls	.80	.16	.17	.5	.2	.6
Thread	.39	.71	.81	.60	.54	.56
Other sorts	1.52	.82	.82	.50	.45	.40
Grand Total	66.30	63.24	59.19	25.25	19.15	26.83

Cotton Twist and Yarn (Rs 3.79 lakhs)—The imports of cotton twist and yarn amounted to 45.1 million lbs in quantity and Rs 3.70 lakhs in value in 1932-33 as compared with 31.6 million lbs and Rs 2.90 lakhs in 1931-32. The quantity of yarn imported in the year under review increased by 13.5 million lbs as compared with the previous year, the increase in value being Rs 80 lakhs. As compared with 1929-30, the last normal year, there was an increase in the quantity of imports in the year under review by 1.2 million lbs. In value, however, there was a decline of Rs 2.21 lakhs. The average declared value per lb of yarn imported during the year was Re 0.135 as compared with Re 0.152 in the previous year, Re 0.111 in 1930-31 and Rs 1.510 in 1929-30. Of the total imports, 18.1 million lbs came from Japan, the largest supplier, 13.4 million lbs from the United Kingdom and 13.3 million lbs from China. Imports from these countries in 1929-30 were 10.9 million lbs, 20.1 million lbs and 10.6 million lbs respectively. Thus in 1930-31, the imports from the United Kingdom shrunk by 6.7 million lbs, while those from Japan and China had gone up by 7.2 million lbs and 2.7 million lbs, respectively. It is obvious therefore that Japan had considerably improved her position in this trade as compared with the preceding year or with 1929-30. The position of Japan is even stronger than is shown merely by the imports from Japan, as the mills in China are largely owned by Japanese interests.

Cotton Piece-goods (Rs 21.26 lakhs)—The imports of cotton piecegoods, including fents, increased from 776 million yards in 1931-32 to 1,225 million yards in 1932-33, an increase of 449 million yards or 58 per cent. As compared with 1929-30, however, there was still a deficit of 694 million yards in yardage. The value of the imports increased from Rs 14.7

crores to Rs 21.3 crores, an increase of Rs 6.6 crores. The value figure in the year under review is, however, considerably less than in 1929-30 when it amounted to Rs 50 crores. Compared with the prewar year 1913-14, the imports of 1932-33 were less by 1,073 million yards. The figures for the three important classes of cotton piecegoods from 1913-14 onwards are given in the following table —

	Grey (unbleached)	White (bleached)	Coloured printed or dyed
Year	Million yards	Million yards	Million yards
1913-14	1,342	793	831
1914-15	1,320	604	404
1915-16	1,148	611	378
1916-17	847	589	474
1917-18	625	502	305
1918-19	783	286	227
1919-20	533	322	208
1920-21	580	421	489
1921-22	635	306	138
1922-23	931	402	243
1923-24	704	415	347
1924-25	845	548	407
1925-26	709	465	365
1926-27	718	571	147
1927-28	875	556	504
1928-29	838	554	506
1929-30	925	473	483
1930-31	365	271	245
1931-32	249	270	223
1932-33	556	412	421

It appears from the above table that in the year under review imports of grey goods increased from the low figure of the previous year and amounted to 556 million yards as compared with 249 million yards in 1931-32. Compared,

however, with 1929 30 the imports are seen to be of relatively small dimensions. The imports of plain grey goods amounted to 218 million yards in 1932 33 as compared with 166 million yards in 1931-32 and 423 million yards in 1929 30. Imports of bordered grey goods amounted to 138 million yards as compared with 83 million yards in the preceding year and 502 million yards in 1929 30. These figures show that the trade under this item, though showing some signs of revival as compared with the preceding year, was still far behind the figure of 1929 30. Imports of white goods increased considerably in the year under review from 280 million yards in 1931-32 to 413 million yards, an increase of 133 million yards. Even compared with 1929 30, the imports of the year under review were only less by 61 million yards. Coloured goods increased from 223 million yards in 1931-32 to 425 million yards in 1932 33, an increased of 91 per cent. The declared value of grey goods declined from 3 as 7 p in 1929 30 to 2 as 6 p in 1931-32 and to 2 as 3 p in 1932 33. The decline in the case of white goods was from 4 as 6 p in 1929 30 to 2 as 11p in the year under review, whereas for the same period, coloured goods fell from 5 as to 3 as 2 p. The following table shows the declared value per yard of the three classes of goods for a number of years —

Cotton piecegoods	13 14	24 25	25 26	26 27	27-28	28 29	29 30	30 31	31-32	32 33
	l p	l p	l p	l p	l p	l p	l p	l p	l p	l p
Grey (unbleached)	2 8	5 5	4 11	4 2	3 11	3 10	3 7	3 0	2 6	2 3
White (bleached)	2 11	5 11	5 6	4 11	4 5	4 5	4 6	3 8	3 1	2 11
Coloured, printed or dyed	3 5	7 10	6 11	6 2	5 7	5 6	5 0	4 5	3 8	3 2

The imports of coloured, printed and dyed goods from 1925 26 are set forth below —

—	1925 26		1926 27		1927 28		1928 29	
	Million yards	Rs (lakhs)	Million yards	Rs (lakhs)	Million yards	Rs (lakhs)	Million yards	Rs (lakhs)
Total printed goods	166 9	6,55	176 8	6,13	235 3	7,53	244 4	7,41
Total dyed goods	106 8	4,88	157 0	6,17	158 3	5,61	155 6	5,62
Total woven coloured goods	92 1	4,49	113 6	4,92	111 2	4,38	106 9	4,32

—	1929 30		1930 31		1931-32		1932 33	
	Million yards	Rs (lakhs)	Million yards	Rs (lakhs)	Million yards	Rs (lakhs)	Million yards	Rs (lakhs)
Total printed goods	109 9	5,77	106 5	2,61	104 9	2,08	237 0	3,07
Total dyed goods	151 0	4,92	93 1	2,69	93 0	2,29	147 7	3,37
Total woven coloured goods	132 5	4,47	46 1	1,52	25 4	68	40 1	1,00

Imports in the year under review in all the three lines increased considerably as compared with the preceding year, the increase being largest in the case of printed goods. Even as compared with 1929 30, the figures showed a considerable decline only in the case of woven coloured goods, whereas in the case of printed goods it actually showed an increase. Under printed goods the quantity imported was 237 million yards as compared with 105 million yards

in the previous year and 200 million yards in 1929 30. Imports of dyed goods amounted to 148 million yards as compared with 93 million yards in 1931 32 and 151 million yards in 1929 30. Thus, the imports of the year under review were only 3 million yards less than in 1929 30. Imports of woven coloured goods rose from 25 million yards in 1931 32 to 40 million yards in 1932 33, but compared with 1929 30, there was a decrease of over 92 million yards. The

million yards in 1931-32 to 71 million yards in 1932-33. Imports in 1929-30 were 87 million yards. Imports under cambrics, prints and chintz increased from 20 and 25 million yards in 1931-32 to 41 and 50 million yards in 1932-33, the imports in 1929-30 being 43 and 61 million yards respectively. The other items also showed increases as compared with the preceding year. Thus, it will be seen that under white and

coloured goods the trade had regained to some extent the position which it had occupied in 1929-30.

The percentage shares in 1913-14 and the past five years of the United Kingdom and Japan, the two principal competitors for the Indian piece goods import trade in each of the three important classes of piecegoods are set forth below—

Percentage shares of the United Kingdom and Japan in the imports of cotton piecegoods

	1913-14		1928-29		1929-30		1930-31		1931-32		1932-33	
	United Kingdom	Japan	United Kingdom	Japan	United Kingdom	Japan	United Kingdom	Japan	United Kingdom	Japan	United Kingdom	Japan
Cotton piecegoods—												
Grey	98.8	5	69.4	28.8	56.2	12.5	39.2	59.8	23.9	74.3	31.2	68.5
White	98.5		94.8	1.0	92.1	2.9	84.6	10.3	74.0	21.4	68.1	29.2
Coloured	92.6	2	66.2	21.7	57.6	31.9	60.0	30.2	49.4	42.4	45.7	50.4

The share of the United Kingdom increased to some extent under greys as compared with the preceding year. There was a consequential drop in the share of Japan. The share of the United Kingdom in the year under review amounted to 31 per cent as compared with only 24 per cent in the preceding year and 56 per cent in 1929-30. Japan's share in the year under review was 68.5 per cent as compared with 74 per cent in the preceding year and 42.5 per cent in 1929-30. The decrease in Japan's share in the year under review is of a very small magnitude. The increase in her share in the past few years has been largely due to the attractively low prices at which Japan has offered her goods. On the other hand, the share of the United Kingdom which had been falling off considerably for 4 or 5 years up to 1931-32 shows some signs of revival in the year under review. As regards white goods,

Japan has been making considerable progress in the last four years. In 1929-30 her share in white goods was under 3 per cent. By 1930-31 it had risen to over 10 per cent. In 1931-32 it had gone up to 21 per cent and in the year under review it was a little over 29 per cent. The share of the United Kingdom, on the other hand, declined from 92 per cent in 1929-30 to 68 per cent in 1932-33. In coloured goods also Japan is fast capturing the Indian market from the United Kingdom and in the year under review Japan has ousted the United Kingdom from the position of the largest supplier of these goods. The share of the United Kingdom dropped from 58 per cent in 1929-30 to 46 per cent in 1932-33, whereas Japan's share went up from 32 per cent in 1929-30 to over 50 per cent in 1932-33. The percentage shares of the principal sources in the total imports of piece goods into India are shown below—

Percentage shares in the total quantities of piecegoods imported

	13-14	23-24	24-25	25-26	26-27	27-28	28-29	29-30	30-31	31-32	32-33
United Kingdom	97.1	88.8	88.5	82.3	82.0	78.2	75.2	65.0	58.8	49.4	48.7
Japan	3	8.2	8.5	13.9	13.6	16.4	18.4	29.3	36.1	43.8	47.3
United States	3	5	5	1.0	9	1.4	1.5	1.7	1.0	2.5	1.7
Netherlands	8	7	6	1.1	1.1	1.0	1.0	1.1	1.5	9	4
Other countries	1.5	1.8	1.9	1.7	2.4	3.0	3.9	2.9	2.6	3.4	1.9
Total	100	100	100	100	100	100	100	100	100	100	100

The outstanding feature of the table, as was noted in the Reviews for the last three years, is the definite, and continuous trends, in opposite directions, of the percentage shares of the United Kingdom and of Japan during the past nine years. Japan increased her share from 44 per cent in 1931-32 to 47 per cent in 1932-33. The share of the United Kingdom, on the other

hand, further declined from 49.4 per cent to 48.7 per cent. Thus, the share of the United Kingdom was reduced from 97 per cent in 1913-14 to a little under 49 per cent in 1932-33, whereas Japan from a position of no importance whatever increased her share enormously, and is now responsible for almost half the total quantity of piecegoods imported into India.

compared with 4.1 million yards valued at Rs 18 lakhs in 1931-32. The imports in 1929-30 amounted to 2 million yards valued at Rs 10 lakhs. It is clear, therefore, that Japan had reduced her prices very considerably as although the quantity imported from that source had more than quadrupled as compared with 1929-30 the total declared value had gone up by 50 per cent only. Imports from the United Kingdom, Germany and Italy increased from 185,000, 170,000 and 31,000 yards in 1931-32 to 250,000, 258,000 and 85,000 yards respectively in 1932-33. The share of France fell slightly from 51,000 to 47,000 yards.

Wool, raw and manufactured (Rs 2.96 lakhs)—There has been a very considerable increase in the value of imports under this head as compared with the preceding year. The increase has been general and was shared by all the sub-heads under this head except carpets and rugs. Imports of raw wool increased from 6.7 million lbs valued at Rs 31 lakhs to 7.2 million lbs valued at Rs 32 lakhs in 1932-33. Australia was the largest supplier with 3 million lbs valued at Rs 15 lakhs in the year under review as compared with 2.9 million lbs valued at Rs 15 lakhs in the preceding year. The United Kingdom increased her share very considerably from a little under a million lbs valued at nearly Rs 9 lakhs in 1931-32 to 2.1 million lbs valued at Rs 18 lakhs in 1932-33. Thus, the United Kingdom ousted Persia as the second largest supplier of raw wool to India. The share of the latter country amounted to 1.3 million lbs valued at Rs 3 lakhs as compared with nearly 2 million lbs valued at Rs 5 lakhs in the preceding year. Imports of worsted yarns for weaving increased from 568,000 lbs valued at Rs 9 lakhs in 1931-32 to 912,000 lbs valued at Rs 15 lakhs in 1932-33. Imports of knitting wool went up from 739,000 lbs valued at Rs 14 lakhs to 996,000 lbs valued at Rs 18 lakhs.

Woollen piecegoods—Imports of woollen piecegoods in 1932-33 increased by over 8 million yards as compared with the preceding year and even exceeded the imports of 1929-30 by about a million yards. Imports in the year under review amounted to 13.9 million yards as compared with 5.5 million yards in the preceding year and 12.6 million yards in 1929-30. The value of the imports of 1932-33 amounted to Rs 1.61 lakhs as compared with Rs 69 lakhs in 1931-32 and Rs 2.33 lakhs in 1929-30. The countries which accounted for the great rise in imports under this head in the year under review were France, Italy, Japan and the United Kingdom. The shares of the first three countries amounted to 4.6, 3.6 and 1.4 million yards as compared with 2.1, 4 and 0.1 million yards respectively in the preceding year. The share of the United Kingdom also went up from 1.3 million yards valued at Rs 25 lakhs to 2.8 million yards valued at Rs 52 lakhs. The other countries, except Netherlands, also showed increases in their shares. The average declared value per yard of the French, Italian and Japanese supplies were Rs 0.120, Rs 1.28 and Rs 0.89, whereas that of the imports from the United Kingdom was Rs 1.13-11.

There was a considerable increase in the number of shawls imported. These amounted

to 338,000 pieces valued at Rs 11 lakhs as compared with 164,000 pieces valued at Rs 6 lakhs in the preceding year. The imports in 1929-30, however, were 658,000 pieces valued at Rs 27 lakhs. As usual, Germany was the largest single source of supply, her share going up from 114,000 pieces to 186,000 pieces. Imports from the United Kingdom and from other countries also showed considerable increases.

Imports of carpets and floor rugs declined from 267,000 lbs valued at Rs 5 lakhs in 1931-32 to 185,000 lbs valued at Rs 4 lakhs in 1932-33. In 1929-30 the imports were 601,000 lbs valued at Rs 10 lakhs. Imports from the United Kingdom were the highest amounting to 81,000 lbs valued at Rs 1.8 lakhs as compared with 76,000 lbs valued at Rs 2 lakhs in the preceding year. The share of Persia receded considerably from 146,000 lbs valued at Rs 2 lakhs in 1931-32 to 78,000 lbs valued at Rs 80,000 in 1932-33. The declared value per lb of the United Kingdom supplies was Rs 2.2-10 and those from Persia Rs 1.04. Imports under the head blankets and rugs other than floor rugs increased from 2.4 million lbs valued at Rs 19 lakhs in 1931-32 to 4.2 million lbs valued at Rs 34 lakhs in 1932-33.

Metals and manufactures thereof (Rs 9.73 lakhs)—The imports of metals and manufactures thereof declined by 23,000 tons or 5 per cent in quantity from 418,000 tons in 1931-32 to 395,000 tons in 1932-33 and by Rs 4 lakhs or less than 1 per cent in value from Rs 9.77 lakhs to Rs 9.73 lakhs. Iron and steel represented Rs 5½ crores of this total as compared with Rs 6½ crores in 1931-32 and, as in the preceding year, occupied the fifth place in order of importance among India's imports, the first four being cotton manufactures, machinery and millwork, mineral oils and raw cotton. If such items as machinery and millwork, hardware, cutlery, implements and instruments and vehicles are grouped with metals and manufactures thereof under one head, the total value would aggregate Rs 32 crores, while the value of yarn and textile fabrics, usually the most important group among India's imports, amounted to Rs 38 crores in the year under review. In the preceding year the metals group accounted for Rs 32½ crores, while the textile head totalled Rs 27 crores.

Iron and steel (Rs 5.30 lakhs)—The world's production of pig iron in 1932, estimated at 38½ million tons, was 30 per cent less than in 1931 and steel output, estimated at 49 million tons, was 28 per cent less. The biggest declines were registered in the United States, Germany and France, while the decrease in the case of Belgium and Luxemburg was comparatively small. In the United Kingdom the production of pig iron fell by only 5 per cent from 3.77 million tons in 1931 to 3.57 million tons in 1932, but steel output recorded a small increase of 1 per cent from 5.20 million tons to 5.26 million tons. Considering the prevailing world depression, it is surprising that the British manufacturers maintained their output to this remarkable extent in spite of the fact that the export trade, particularly with India, suffered from the severe competition from Continental producers.

In India, the imports of all classes of iron and steel, including pig iron and old iron or steel, in 1932-33 were even lower by 12 per cent than the poor record of the preceding year and amounted to 326,000 tons as compared with 371,000 tons in 1931-32 and 614,000 tons in 1930-31. The year of maximum importation was 1927-28 when 1,197,000 tons of manufactured iron and steel were received. Since then the imports have been steadily declining with a corresponding decrease in the share of the United Kingdom except in 1931-32, when as a result of her departure from the gold standard, the portion of the United Kingdom in the total trade was slightly higher than in the preceding year. In 1932-33, however, there was a set-back and the share of the United Kingdom stood at 43 per cent as compared with 44.2 per cent in 1931-32 and 43.8 per cent in 1930-31. There were also similar decreases in the case of France and the United States of America. On the other hand, the shares of Belgium and Germany were well maintained, being approximately 32 and 7 per cent respectively as in 1931-32. The efforts made by these two Continental countries to

retain the ground in the Indian market led them to cut prices to an extent sufficient to overcome not only the effect of the depreciation of sterling but also the additional duties levied on certain classes of iron and steel materials of non British origin.

Other metals (Rs 4.42 lakhs)—Imports of metals, other than iron and steel, rose from 47,000 tons valued at Rs 3.44 lakhs in 1931-32 to 69,000 tons valued at Rs 4.42 lakhs in 1932-33, there being an increase under each description of non ferrous metals with the exception of aluminium and lead.

Machinery and millwork (Rs 11.16 lakhs)—The value of the imports of machinery and millwork declined by 4 per cent from Rs 11.57 lakhs in 1931-32 to Rs 11.16 lakhs in 1932-33. The trade, however, showed a noticeable expansion in some directions, notably under sugar, textile and tea machinery, while in most other branches depressed conditions prevailed. The following table analyses the imports of machinery and millwork according to classes during the last five years —

	1928-29 Rs (lakhs)	1929-30 Rs (lakhs)	1930-31 Rs (lakhs)	1931-32 Rs (lakhs)	1932-33 Rs (lakhs)
Prime movers	3.04	4.12	2.74	1.56	1.00
Electrical	2.37	2.41	2.39	2.16	1.56
Boilers	1.15	1.09	.97	.56	.45
Metal working (chiefly machine tools)	.33	.36	.30	.19	.15
Mining	.80	.61	.74	.66	.38
Oil crushing and refining	.40	.43	.40	.35	.19
Paper mill	.35	.7	.7	.6	.5
Refrigerating	.23	.20	.22	.10	.9
Rice and flour mill	.21	.24	.22	.10	.9
Saw mill	.7	.9	.7	.3	.3
Sewing and knitting	.89	.85	.59	.51	.45
Sugar machinery	.18	.9	.14	.30	1.53
Tea machinery	.40	.28	.17	.11	.21
Cotton machinery	2.16	2.10	1.78	1.93	2.08
Jute mill machinery	1.30	1.44	.81	.32	.36
Wool machinery	.2	.6	.1	.1	.3
Typewriters, including parts and accessories	.32	.26	.25	.13	.7
Printing and lithographing presses	.24	.23	.14	.15	.9
Belting for machinery	.83	.90	.64	.50	.53

Motor vehicles (Rs 2.43 lakhs)—As might be expected from the state of general trade and the income of the people, the use of motor vehicles was greatly restricted during the year. There was, therefore, a continuation of the decrease in the imports of motor vehicles into India, but of these reduced imports, the percentage share of the United Kingdom showed a noticeable expansion. The improvement in the British proportion in the total importation, which was in evidence since the suspension of the gold standard by Great Britain in September 1931, was greatly accentuated during 1932-33, especially in the latter half of the year. The total imports of motor cars in 1932-33 numbered 6,201 valued at Rs 1.29 lakhs as compared with 7,220 valued at Rs 1.48 lakhs in 1931-32 and 12,601 valued at Rs 2.58 lakhs in 1930-31. The number of British cars advanced from

2,178 or 30 per cent (valued at Rs 50½ lakhs) in 1931-32 to 3,958 or 64 per cent (valued at Rs 80 lakhs) in 1932-33, of which no fewer than 3,076 cars were imported during the second half of the year. The number of cars imported from the United States of America declined from 3,368, valued at Rs 65 lakhs to 1,201 valued at Rs 28½ lakhs and of those from Canada fell from 676 valued at Rs 10 lakhs to 296 valued at Rs 6½ lakhs. The combined imports from these two countries represented only 24 per cent of the total number of cars imported in 1932-33 as compared with 56 per cent in 1931-32 and 66 per cent in 1930-31. This decrease in the purchases of American cars was due to the exchange handicap and to the growing insistence of buyers for greater economy in the cost of maintenance and operation.

Of the total number of cars imported during the year under review 2,525 cars (3,325) were received in Bombay, 1,634 (1,801) in Bengal, 1,004 (860) in Madras, 642 (824) in Sind and 396 (410) in Burma, the corresponding figures for the preceding year being given in brackets.

The number of motor omnibuses, vans, lorries, etc., imported which had receded from 8,913 valued at Rs. 1,42 lakhs in 1930-31 to 4,302 valued at Rs. 67 lakhs in 1931-32 further declined

to 2,676 valued at Rs. 41 lakhs in the year under review. Of the total imports in 1932-33, 93 per cent or 2,484 represented chassis with a total value of Rs. 33 lakhs as against 62 per cent or 2,685 valued at Rs. 47 lakhs in 1931-32. Here again the share of the United Kingdom improved at the expense of the United States of America and Canada. The following table shows the number of all classes of motor vehicles registered in the different provinces of British India up to the end of March 1933.—

Number of motor vehicles registered in British India up to 31st March 1933.

Provinces	Motor cars, including taxi cabs	Motor cycles, including scooters and auto wheels	Heavy motor vehicles (lorries, buses, etc.)	Total
	Number	Number	Number	Number
Bengal including Calcutta	36,861	5,168	4,724	46,753
Bombay City (a)	8,559	496	932	9,987
Bombay Presidency (excluding Bombay City and Sind) (a)	10,208	775	46	11,029
Madras City	13,606	3,168	2,094	18,868
Madras Presidency (excluding Madras City) (a)	7,251	1,493	5,691	14,435
United Provinces (b)	12,117	2,041	4,831	18,989
Punjab	5,415	1,058	4,741	11,214
Burma (a) (b)	9,842	1,165	5,738	16,745
Bihar and Orissa	11,085	1,495	2,680	15,260
Central Provinces (a)	3,077	623	1,658	5,358
Sind	2,046	408	463	2,917
Delhi	6,811	1,241	1,657	9,709
North-West Frontier Province	3,649	1,509	2,709	7,867
Ajmer-Merwara	742	195	202	1,139
Assam (b)	1,947	198	1,606	3,751
Total	133,216	21,033	39,772	194,021

(a) Actually running

(b) Figures relate to the year ending 31st December 1932

Hardware (Rs. 2,99 lakhs)—The value of the total imports of hardware which had fallen from Rs. 3,60 lakhs in 1930-31 to Rs. 2,61 lakhs in 1931-32 improved, in 1932-33, to Rs. 2,99 lakhs which was still below the pre War average of Rs. 3,17 lakhs.

Mineral oils (Rs. 6,70 lakhs)—Imports of all kinds of mineral oils into India declined from 216.6 million gallons in 1931-32 to 187.8 million gallons in 1932-33. Imports of kerosene oil decreased from 85.7 million gallons to 59.5 million gallons, and petrol from 13 million gallons to 5 million gallons. Imports of fuel oil rose from 100.8 million gallons to 104.5 million gallons, and batching oil from 7 million gallons to 9 million gallons.

Sugar (Rs. 4,23 lakhs)—Imports of sugar all sorts, excluding molasses, decreased from 516,000 tons in 1931-32 to 370,000 tons in 1932-33, thus showing a decline of 146,000 tons or 28 per cent. The decline in value was from Rs. 6,01 lakhs to Rs. 4,12 lakhs or 31 per cent. The imports in the year 1929-30 were 940,000 tons valued at Rs. 15,52 lakhs. Imports of sugar 23 D S and above decreased from 365,000 tons valued at Rs. 4,42 lakhs in 1931-32 to

327,000 tons valued at Rs. 3,67 lakhs in 1932-33. The main fall was in the imports from Java, which amounted to 295,000 tons as compared with 336,000 tons in the preceding year. Imports from the United Kingdom went up from about 1,000 tons to 12,000 tons.

The total amount of beet sugar imported during the year was 41,000 tons valued at Rs. 42 lakhs as compared with 118,000 tons valued at Rs. 1,25 lakhs in the preceding year. Imports from the United Kingdom increased from 19,000 tons valued at Rs. 23 lakhs in 1931-32 to 23,000 tons valued at Rs. 24 lakhs in 1932-33. Imports from Russia, on the other hand, went down from 68,000 tons valued at Rs. 66 lakhs to 9,000 tons valued at Rs. 9 lakhs. Imports from Poland dried up completely and those from Germany amounted to 249 tons only as compared with 15,000 tons and 11,000 tons in the preceding year.

Provisions (Rs. 2,93 lakhs)—Under this comprehensive head, which covers a large variety of articles such as canned and bottled provisions, farinaceous and patent foods, condensed milk, biscuits and cakes, confectionery, bacon and ham, cheese, jams and jellies, pickles

and saucers, butter, cocoa and chocolate, kingly glass, oil, lard and vinegar, the total value of the imports recorded showed a further decline from Rs 311 lakhs in 1931-32 to Rs 293 lakhs in 1932-33.

Chemicals (Rs 2.71 lakhs)—The total imports of chemicals (excluding chemical manures and medicines) in 1932-33 were valued at Rs 2.71 lakhs, an increase of Rs 11 lakhs in comparison with 1931-32. Sodium compounds accounted for 17 per cent of the total imports of chemicals as in 1931-32 and amounted to 1,639,000 cwt. valued at Rs 1.28 lakhs as compared with 1,515,000 cwt. valued at Rs 1.21 lakhs in the preceding year. Imports of sodium carbonate amounted to 1,103,000 cwt. (Rs 65 lakhs) as compared with 1,016,000 cwt. (Rs 62 lakhs), the United Kingdom, as usual, remaining the chief source of supply. The total consignments of caustic soda drawn chiefly from the United Kingdom, Russia and the United States of America rose from 261,000 cwt. valued at Rs 32 lakhs to 285,000 cwt. valued at Rs 34 lakhs. Among other descriptions of sodium compounds the quantities of sodium bichromate, sodium sulphide and borax showed increases part of which was counterbalanced by decreases under sodium silicate, sodium cyanide and sodium bicarbonate. Imports of acids further declined from 29,000 cwt. to 26,000 cwt. in quantity and from about Rs 8½ lakhs to Rs 7½ lakhs in value.

Drugs and Medicines (Rs 1.86 Lakhs)—The total value of drugs and medicines imported recorded a fall of 3 per cent from Rs 1.91 lakhs in 1931-32 to Rs 1.86 lakhs in 1932-33. Imports of camphor fell from 1,933,000 lbs. valued at Rs 29 lakhs to 1,753,000 lbs. valued at Rs 25 lakhs.

Paper and Pasteboard (Rs 2.86 Lakhs)—The total imports of paper and pasteboard increased from 2,191,000 cwt. valued at Rs 2.50 lakhs in 1931-32 to 2,610,000 cwt. valued at Rs 2.86 lakhs in 1932-33, of which 2,220,000 cwt. (Rs 2.49 lakhs) represent paper of all kinds as against 1,915,000 cwt. (Rs 2.24 lakhs) in the preceding year. Imports of printing paper amounted to 679,000 cwt. valued at Rs 83 lakhs as compared with 616,000 cwt. valued at Rs 80 lakhs in 1931-32. Both news printing and other kinds of paper recorded increases the former rising from 399,000 cwt. valued at Rs 45 lakhs to 457,000 cwt. valued at Rs 47½ lakhs and the latter from 217,000 cwt. valued at Rs 35 lakhs to 223,000 cwt. valued at Rs 36 lakhs.

Liquors (Rs 2.26 Lakhs)—Imports of liquors in 1932-33 did not show any great variation in comparison with the preceding year and totalled 5.4 million gallons valued at Rs 2.26 lakhs as against 5.7 million gallons valued at Rs 2.27 lakhs in 1931-32. Compared with 1930-31, the imports showed a much greater decline being less by 25 per cent in quantity and by 32 per cent in value. Of the total quantity of liquors imported, ale, beer and porter accounted for 69 per cent split for 28 per cent and wines for only 3 per cent. Imports of ale, beer and porter remained almost unchanged at 3,718,000 gallons.

Salt (Rs 79 Lakhs)—The imports of foreign salt by sea into British India advanced by 21 per cent in quantity from 151,000 tons in 1931-32 to 181,000 tons in 1932-33 and by 10 per cent in value from Rs 72 lakhs to Rs 79 lakhs. With the exception of Aden, the principal source of supply almost all the other countries sent more than in the preceding year. Of the total quantity imported in 1932-33, nearly 285,000 tons or 72 per cent came from Aden as compared with 311,000 tons or 70 per cent of the total in the preceding year. Germany raised her supplies from 26,000 tons to 57,000 tons, Spain from 1,000 tons to 25,000 tons and Italian East Africa from 67,000 tons to 103,000 tons. There were also larger receipts from Egypt which amounted to 40,000 tons as against 15,000 tons in 1931-32, while the United Kingdom slightly reduced her supplies from 26,000 tons to 25,000 tons.

Dyeing and Tanning Substances (Rs 2.50 Lakhs)—Imports of dyeing and tanning substances showed a decline, the total value amounting in 1932-33 to Rs 2.50 lakhs, a decrease of Rs 18 lakhs in comparison with 1931-32 and of Rs 9 lakhs in comparison with 1930-31. Coal-tar dyes representing the bulk of the imports under this head, showed a decrease from 17.9 million lbs. valued at Rs 2.33 lakhs to 13.0 million lbs. valued at Rs 2.17 lakhs. This set-back was due almost entirely to a decrease in the imports of dyes other than alizarine from 15 million lbs. to 10.6 million lbs. in quantity and from Rs 2.15 lakhs to Rs 1.99 lakhs in value. Imports under this head represented 84 per cent of the total imports of coal-tar dyes as against 83 per cent in 1931-32. Imports of alizarine dyes showed a decline of about 910,000 lbs. in comparison with the imports of the previous year, which had been returned at 3.2 million lbs. but the value recorded declined slightly from Rs 18 lakhs to Rs 17 lakhs.

Spices (Rs 1.72 Lakhs)—There was a slight increase in the imports of spices, the quantity of which in 1932-33 amounted to 1,272,000 cwt. as against 1,270,000 cwt. in 1931-32. The value, however, showed a further decline from Rs 2.08 lakhs to Rs 1.72 lakhs. Betelnuts showed an increase in quantity from 1,101,000 cwt. to 1,117,000 cwt. but the value fell off from Rs 1.45 lakhs to Rs 1.19 lakhs.

Glass and Glassware (Rs 1.42 Lakhs)—The total value of the imports of glass and glassware amounted to Rs 1.42 lakhs as compared with Rs 1.22 lakhs in 1931-32. Almost all the important descriptions under this head recorded improvements. Of the principal countries participating in this trade Japan retained the foremost position and the value of her supplies advanced to Rs 65 lakhs in 1932-33 from Rs 42 lakhs in 1931-32 and Rs 55 lakhs in 1930-31.

Tobacco (Rs 97 Lakhs)—Imports of unmanufactured tobacco which had improved from 1.6 million lbs. in 1930-31 to 2.8 million lbs. in 1931-32 advanced further to 5.1 million lbs. in the year under review and exceeded those in 1929-30 by half a million lbs. Supplies from the United States of America accounted for 91 per cent of the total quantity imported in

1932-33 as against 87 per cent in the preceding year and totalled 47 million lbs as compared with 25 million lbs in 1931-32

Precious Stones and Pearls (Rs 84 lakhs)—The trade in precious stones and pearls showed signs of a slight recovery, the value of the consignments having risen from the abnormally low level viz., Rs 45 lakhs recorded in 1931-32 to Rs 84 lakhs in 1932-33. Of these, diamonds accounted for Rs 71 lakhs and pearls, unset for Rs 10½ lakhs as compared with Rs 32 lakhs and Rs 10½ lakhs respectively in 1931-32. The imports of other precious stones were comparatively small, being valued at Rs 2½ lakhs in 1932-33 as against Rs 2 lakhs in the preceding year.

Cement (Rs 29 lakhs)—Imports of cement showed a further decline from 88,000 tons to

83,000 tons in quantity and from Rs 41 lakhs to Rs 29 lakhs in value. The bulk of the consignments during the year came from Japan, supplies from which source amounted to 39,000 tons (Rs 8 lakhs) as against 29,000 tons (Rs 9½ lakhs) in 1931-32. There was a further falling off in the contribution of the United Kingdom from 45,000 tons valued at Rs 25 lakhs to 34,000 tons valued at Rs 17 lakhs.

Coal (Rs 6½ lakhs)—Imports of foreign coal declined by 37 per cent in quantity from 56,000 tons in 1931-32 to 35,000 tons in 1932-33 and by 42 per cent in value from Rs 11½ lakhs to Rs 6½ lakhs. Bombay, the largest consumer of imported coal, reduced her takings from 28,000 tons to 11,000 tons. The following table shows the sources of the imports of foreign coal during the past five years—

—	1928-29	1929-30	1930-31	1931-32	1932-33
	Tons	Tons	Tons	Tons	Tons
United Kingdom	39,000	19,000	23,000	24,000	16,000
Natal	105,000	197,000	121,000	23,000	14,000
Japan	1,000	1,000	1,000	1,000	
Portuguese East Africa	21,000		5,000		
Australia	1,000	2,000	1,000	4,000	3,000

III—EXPORTS OF MERCHANDISE

The following table shows the comparative importance of the principal articles exported from British India—

EXPORTS.

(In thousands of Rupees)

—	1928-29	1929-30	1930-31	1931-32	1932-33	Percentage on total exports of merchandise in 1932-33
Jute, raw	32,34.92	27,17.38	12,88.47	11,18.81	9,73.03	7.35
Jute manufactures	56,90.49	51,92.68	31,89.44	21,92.42	21,71.18	16.40
Cotton, raw and waste	66,69.10	65,60.35	46,72.65	23,78.19	20,69.95	15.63
Cotton manufactures	7,79.56	7,18.67	5,21.54	4,81.83	3,29.11	2.49
Tea	26,60.44	26,00.64	23,55.93	19,43.74	17,15.28	12.96
Grain, pulse and flour	33,69.42	34,79.16	29,88.19	20,37.18	16,07.69	12.14
Seeds	29,62.52	26,46.76	17,86.18	14,58.83	11,30.68	8.54
Leather	9,44.32	8,16.24	6,39.11	5,35.20	4,76.42	3.60
Metals and ores	8,91.03	10,33.96	7,94.04	5,47.10	4,68.18	3.54
Hides and skins, raw	9,53.98	7,98.27	5,46.63	3,65.71	2,76.87	2.09
Paraffin wax	2,45.54	3,17.69	2,81.83	2,31.74	2,01.88	1.52
Oilcakes	3,84.18	3,11.92	2,08.05	2,00.68	1,96.51	1.48
Wool, raw and manufactures	5,90.71	5,33.54	3,23.25	3,36.73	1,91.10	1.44
Lac	8,64.26	6,90.72	3,13.74	1,63.94	1,24.24	.94
Coffee	1,69.25	1,45.40	1,91.86	94.50	1,09.81	.83
Tobacco	1,29.47	1,06.42	1,03.65	85.42	77.11	.58
Dyeing and tanning substances	1,18.05	1,11.57	1,08.23	86.94	77.43	.57
Spices	1,58.80	1,96.39	1,27.19	87.25	72.33	.55
Fodder, bran and pollards	1,44.93	1,18.63	76.76	75.14	70.29	.53
Fruits and vegetables	96.15	90.62	79.75	90.32	69.52	.53
Coir	1 06.27	1 04.68	88.76	75.58	60.24	.45

EXPORTS—*contd*

(In thousands of Rupees)

—	1928 29	1929 30	1930 31	1931 32	1932 33	Percentage on total exports of merchandise in 1932 33
Wood and timber	1,76,86	1,80 07	1,40,17	78,17	56,18	42
Oils	86,03	72,33	47,24	57,23	53,79	41
Fish (excluding canned fish)	78,24	73,81	68,33	54 24	45,71	35
Coal and coke	71,83	72,06	49,35	54,91	41,19	33
Boned for manufacturing purios	62,32	75,27	71,25	45,14	34,82	26
Provisions and oilman's stores	64,48	60,40	49,95	39,55	32,02	25
Hemp, raw	87,52	68,33	39,30	26,90	32,16	24
Mica	90,47	1,03,08	67,59	39,36	31,52	24
Drugs and medicines	41,61	48,45	20 92	23,10	31,26	24
Fibre for brushes and brooms	25 92	28 15	25,51	20,43	24,02	18
Manures	59,84	49,08	51,30	38,39	20,39	15
Bristles	15,04	14,26	10 98	11,66	13,65	10
Saltpetre	9,90	8 87	7,52	10,58	12,26	09
Opium	1,57,42	1,42 00	1,22,07	86,93	11,25	08
Animals, living	39,95	36,80	20,00	14,99	10,10	08
Building and Engineering materials other than of iron, steel or wood	15,15	14,99	10,39	7,47	9,24	07
Apparel	17,62	24,52	16,12	10,33	8,93	07
Rubber, raw	1,99,85	1,78,88	1,29,75	14,58	8,78	07
Cordage and rope	16,02	14,10	10,45	8,54	7,73	06
Candles	9,33	10,91	6,46	4,05	4,74	04
Silk, raw and manufactures	32,17	32,31	10,06	3,34	3,18	02
Horns, tips, etc	7,96	7,53	3,54	1,36	2,48	02
Sugar	5,48	3,68	2,51	1,92	2,10	02
Tallow, stearine and wax	7,97	7,95	7,38	3,79	1,97	01
All other articles	4,67,82	4,51,43	3,71,77	2,94,35	2,70,65	2 04
TOTAL VALUE OF EXPORTS	3,30,12,79	3,10,80,55	2,20,49,26	1,55,88,86	1,32,40,57	100

Cotton (Rs 23 45 Lakhs)—In Indian Cotton crop of the season 1932 33 was estimated at 4,516,000 bales of 400 lbs each as compared with 4,025,000 bales in the preceding year. The comparatively high parity of Indian cotton led to its gradual replacement by American cotton in Japan and in the Orient in general. The world consumption of Indian cotton for the 12 months ending January 31, 1933 amounted to just over 4 million bales and was far short of the normal annual consumption of 5½ million bales. The high parity thus discouraged the consumption of Indian cotton abroad. Consequently, exports of Indian cotton naturally decreased in the year under review as compared with the preceding year. Exports of Indian cotton in 1932 33 amounted to 2 063,000 bales as compared with 2,369,000 bales in 1931-32 and 4,070,000 bales in 1929 30, and 1932 33 gave the lowest figure of export in the post-War period. The value of the exports amounted to Rs 20,37 lakhs as compared with Rs 23,45 lakhs in the preceding year. Japan as usual, was India's biggest customer and her share amounted to 1,085,000 bales valued at Rs 11,12 lakhs as compared with 1,080,000 bales valued at Rs 11,05 lakhs in the preceding year. China took only 134,000 bales valued at Rs 1,33 lakhs as compared with 437,000 bales valued at Rs 4,52 lakhs. The United Kingdom slightly increased her takings to 161,000 bales valued at Rs 1,61 lakhs as compared with 166,000 bales valued at Rs 1,54 lakhs in the preceding year. Exports to Italy declined from 183,000 bales valued at Rs 1,62 lakhs in 1931 32 to 150,000 bales valued at Rs 1,44 lakhs in 1932 33. Exports to Belgium, France and Spain rose from 121,000, 81,000 and 45,000 bales to 129,000, 124,000 and 52,000 bales respectively. The following statement gives the monthly exports of Indian

cotton during the last five years together with the pre-War average —

Exports of Indian cotton in bales of 400 lbs

(In thousands of Rupees)

—	Pre war average 1909 14	1928 29	1929 30	1930 31	1931-32	1932 33
April	303,600	323,600	386,300	424,700	307,300	95,000
May	248,800	372,800	401,900	341,700	283,400	135,400
June	218,900	304,900	382,200	244,500	260,600	121,800
July	190,100	285,200	318,700	258,000	212,300	100,400
August	110,300	216,000	231,300	250,700	259,900	83,300
September	75,300	191,200	211,400	286,800	111,200	163,100
October	66,800	254,000	176,100	223,700	111,300	120,500
November	101,400	175,700	207,200	226,000	135,900	121,300
December	158,200	272,300	297,600	357,000	191,100	164,600
January	319,800	400,200	452,700	438,000	168,000	267,200
February	318,300	356,300	493,500	433,300	159,700	373,800
March	295,800	559,500	508,500	438,900	168,200	316,000
Total	2,407,300	3,711,700	4,070,400	3,926,000	2,369,200	2,062,600

Cotton Manufactures (Rs 3.29 Lakhs)— Exports of yarn amounted to 15 million lbs as compared with 22 million lbs in the preceding year. The exports of Indian piecegoods declined from 105 million yards to 66 million yards. Exports to most of the countries showed considerable decreases. Persia took only 8 million yards in the year under review as compared with 20 million yards in the preceding year. Similarly, exports to Ceylon amounted to 13 million yards in 1932-33 as compared with 17 million yards in 1931-32. The shares of Iraq, Tan

ganyika Territory and Arabia declined from 13, 11 and 6 million yards in 1931-32 to 5, 6 and 4 million yards respectively in 1932-33. The shares of most other countries also showed declines.

The total value of the piecegoods exported in 1932-33 declined from Rs 3.24 lakhs to Rs 2.09 lakhs. Grey goods accounted for Rs 13 lakhs, coloured goods Rs 1.95 lakhs and white goods for a little over Rs 1 lakh.

Detailed figures of exports for the past three years compared with 1913-14 are given below —

—	1913 14 (pre war year)	1930 31	1931-32	1932 33
Grey and bleached piece goods—	Million yards	Million yards	Million yards	Million yards
Shirtings	2 2	3 9	4 1	1 7
Chaddars and duties	7 6	2 1	2 3	1 9
T cloth and domestics	21 6	1 3	6	4
Drills and jeans	6	1	1	2
Other sorts	12 2	2 8	1 7	8
TOTAL	44 2	10 2	8 8	5 0
Coloured piece goods	45 0	87 5	95 8	61 4
TOTAL PIECE GOODS	89 2	97 7	104 6	66 4

Jute and Jute Manufacturers (Rs 31.44 lakhs)—The total area under jute in 1932 was estimated at 2,143,000 acres as compared with 1,862,000 acres in the preceding year. The yield for the 1932 crop was estimated to be 5,845,000 bales since revised to 7,097,000 bales of 400 lbs each as against 5,567,000 bales in the preceding year. The total weight of raw and manufactured jute exported during the year amounted to 1,213,000 tons, or 7,000 tons less

than in the preceding year. The total value declined from a little over Rs 31 crores in 1931-32 to nearly Rs 31 crores in 1932-33, a drop of Rs 11 crores. Raw jute accounted for 31 per cent of the value and jute manufactures for 69 per cent as compared with 34 per cent and 66 per cent respectively in the preceding year. The following statement compares the quantities exported during the year 1931-32 and each of the past three years—

	1931-32	1930-31	1931-32	1932-33
Jute (in thousand tons)	768	620	587	563
Bags (in millions)	169	134	380	415
Cloth (in million yards)	1,061	1,271	1,021	1,012

The quantity of raw jute exported was 1 per cent less than in the preceding year and 27 per cent less than in the pre War year 1913-14. Exports of gunny bags increased in number from 389 millions to 415 millions, but those of gunny cloth declined slightly from 1,021 million yards to 1,012 million yards. The production of Indian mill consumption and exports of raw jute for the last 20 years are given in table No. 29 and detailed figures of exports of manufactures are given in tables Nos. 30A and 30B.

The total exports of raw jute declined from 587,000 tons valued at Rs 11 crores in 1931-32 to 563,000 tons valued at Rs 9½ crores in 1932-33. Exports to Germany amounted to 123,000 tons valued at Rs 2.14 lakhs in 1932-33 as compared with 131,000 tons valued at Rs 2.44 lakhs in 1931-32. The share of the United Kingdom in the year under review decreased to 130,000 tons valued at Rs 2.24 lakhs from 154,000 tons valued at Rs 3.11 lakhs. Exports to France amounted to 69,000 tons valued at Rs 1.16 lakhs in 1932-33 as compared with 52,000 tons valued at Rs 99 lakhs in 1931-32. Spain took 42,000 tons as compared with 36,000 tons in the preceding year, whereas the United States of America, Italy and Belgium reduced their shares from 49,000, 44,000 and 46,000 tons to 36,000, 37,000 and 39,000 tons respectively.

Foodgrains and flour (Rs 16.08 lakhs)—The exports under this head declined considerably in the year under review, both in quantity and value, as compared with the preceding year. The total quantity of foodgrains exported amounted to 2,372,000 tons valued at Rs 16.08 lakhs as compared with 2,372,000 tons valued at Rs 20.37 lakhs in the preceding year. Exports of rice declined from 2,372,000 tons to 1,887,000 tons. Consignments of wheat dwindled to the paltry figure of 2,000 tons as compared with 20,000 tons in the preceding year and 197,000 tons in 1930-31. Decreases

were also noticeable in the shipments of wheat flour, barley, and jowar and bajra from 43,000, 27,000 and 59,000 tons in 1931-32 to 21,000, 17,000 and 16,000 tons respectively in 1932-33. The only increase in exports was in the case of pulses from 91,000 tons to 111,000 tons. There were no exports of maize as in the preceding year.

Tea (Rs 17.15 lakhs)—The total production of tea in India in 1932 was estimated, as remarked above, at 433 million lbs as compared with 394 million lbs in 1931, 391 million lbs in 1930 and 473 million lbs in 1929. As usual, Assam contributed the largest share viz., 257 million lbs or 60 per cent of the total output and Southern India 62 million lbs or 14 per cent. Production in Assam increased by 13.8 million lbs and in the rest of Northern India by about 19.6 million lbs. The total area under tea in 1932 was 807,500 acres as against 806,700 acres in 1931.

The total shipments of tea during the year recorded an advance of 11 per cent in quantity, but the value fell by 12 per cent. There were no exports of green tea during the year and the entire quantity of 379 million lbs consisted of black tea. Exports to the United Kingdom improved from 291 million lbs to 331 million lbs, but the value recorded a decline from Rs 17 crores to Rs 15 crores. The share of the United Kingdom was 87 per cent of India's total exports as compared with 85 per cent in the preceding year. Re-exports of Indian tea from the United Kingdom amounted to 40 million lbs in 1932-33 as against 50 million lbs in 1931-32. Stocks in London amounted to 187 million lbs at the end of the year as compared with 139 million lbs at the corresponding date of the preceding year. Re-exports of Indian tea from the United Kingdom to the Irish Free State were 14.6 million lbs as against 17.8 million lbs a year ago. Re-exports to Russia amounted to 6.3 million lbs in the year

under review is compared with 3.8 million lbs in the preceding year. Direct shipments to Russia recorded a slight decline from 3.5 million lbs to 2.9 million lbs in 1932-33. Thus the total exports of Indian tea to Russia advanced from 7.5 million lbs in 1931-32 to 9.2 million lbs in 1932-33. From the London market other European countries took Indian tea to the extent of 8.7 million lbs as compared with 10.8 million lbs in the preceding year. Re-exports from the United Kingdom to the United States of America contracted from 7.9 million lbs in 1931-32 to 6 million lbs in 1932-33. Direct shipments to the United States of America, however, advanced from 9.8 million lbs to

11.1 million lbs. Thus the total exports to the United States of America declined slightly from 17.7 million lbs to 17.1 million lbs. Re-exports from the United Kingdom to Canada and Newfoundland fell from 6.9 million lbs in 1931-32 to 3.2 million lbs in the year under review. Direct shipments to Canada, however, showed an increase from 14.1 million lbs to 16.7 million lbs. Exports to China fell away from 1.2 million lbs to 4,500 lbs only. Exports to Australia, including New Zealand also dropped from 3.5 million lbs to 2.8 million lbs and to Egypt from 3.3 million lbs to 2 million lbs. Exports to Persia declined from 2 million lbs to 1.5 million lbs.

Exports of tea by sea to foreign countries

—	1906-07	1915-16	1927-28	1928-29	1929-30	1930-31	1931-32	1932-33
	lbs (1,000)	lbs (1,000)	lbs (1,000)	lbs (1,000)	lbs (1,000)	lbs (1,000)	lbs (1,000)	lbs (1,000)
From Northern India (Calcutta and Chittagong)	217,951	301,103	315,100	309,845	326,363	307,117	295,201	323,825
From Southern India (Madras Ports)	13,980	25,840	15,711	19,321	19,671	18,575	15,901	51,897
From Bombay, Sind and Burma	1,713	11,227	761	436	600	517	323	500,115
TOTAL	233,644	338,170	361,611	359,602	376,634	356,209	311,518	878,837

Oilseeds (Rs 11.31 lakhs)—The total exports of Indian oilseeds declined by 26 per cent in quantity from 988,000 tons in 1931-32 to 733,000 tons in 1932-33 and by 22 per cent in value from Rs 11.59 lakhs to Rs 11.31 lakhs. An examination of the detailed figures given on the margin shows that there has been a substantial decline in the exports of all the principal oil bearing seeds with the exception of rapeseed.

The following are the quantities of oilseed exported in recent years —

	Pre war 1930-31	1931-32	1932-33
	average		
	(Thousands of tons)		
Linseed	379	257	120
Rapeseed	273	33	54
Groundnuts	212	601	672
Castor	114	91	104
Cotton	240	41	12
Sesamum	119	1	12
Copra	31		
Others	85	13	14
TOTAL	1,453	1,037	988

Hides and Skins (Rs 7.43 lakhs)—The trade under this head has been progressively smaller in the last two or three years. The total value of the trade has fallen from Rs 8.92 lakhs in 1931-32 to Rs 7.43 lakhs in the year under review, a fall of 16 per cent. The main reason for this decline, as explained in earlier

issues of this Review, is the trade depression, which led to a reduction in the demand for hides and skins. The average declared value for raw hides and skins declined from 7 as 9 p to 7 as 2 p, whereas in the case of tanned hides and skins, the decline was from Rs 1.7-10 per lb to Rs 1.7-0 per lb. Shipments of raw hides and skins during the year amounted to 27,300 tons valued at Rs 2.77 lakhs as compared with 33,600 tons valued at Rs 3.66 lakhs in the preceding year. Exports of raw hides declined from 16,600 tons valued at Rs 91 lakhs in 1931-32 to 13,300 tons valued at Rs 63 lakhs in 1932-33. Exports of raw skins declined in weight from 16,500 tons to 13,300 tons. The total value of the consignments declined from Rs 2.74 lakhs in 1931-32 to Rs 2.14 lakhs in 1932-33. Exports of tanned or dressed hides or skins decreased from 15,700 tons valued at Rs 5.26 lakhs in 1931-32 to 14,500 tons valued at Rs 4.66 lakhs in 1932-33. Exports of tanned hides amounted to 9,000 tons valued at Rs 1.62 lakhs in the year under review as compared with 10,300 tons valued at Rs 2.13 lakhs in the preceding year. There was a slight increase in the exports of tanned skins from 5,400 to 5,500 tons, but the value showed a decline from Rs 3.14 lakhs in 1931-32 to Rs 3.01 lakhs in 1932-33.

Lac (Rs 1.24 lakhs)—Business in the lac markets abroad continued to decline, the depressed conditions in the large consuming industries being pronounced throughout the year.

The total exports of lac fell by 10 per cent in quantity from 464 000 cwts in 1931-32 to 418,000 cwts in 1932-33 and by 33 per cent in value from Rs 1,84 lakhs to Rs 1 24 lakhs the decrease being noticeable in the case of shellac, button lac and stick lac

Raw Wool (Rs 1.23 lakhs)—The trade in Indian raw wool received a setback the exports falling from 41 million lbs to 32 million lbs in quantity and from Rs 2,77 lakhs to Rs 1,23 lakhs in value. Of the total quantity shipped the United Kingdom took 28 million lbs or 87 per cent as compared with 35 million lbs or 85 per cent in the preceding year while the remainder went mainly to the United States of America and, to a less extent to Germany and other Continental countries. Besides Indian wool a fairly large quantity of foreign wool of Tibetan and Central Asian origin is imported across the frontier and then re-exported from India.

Oils (Rs 54 lakhs)—The total exports of oils consisting mostly of vegetable oils were valued at Rs 54 lakhs in 1932-33 as compared with Rs 57 lakhs in 1931-32. Shipments of vegetable oils increased from 1,900,000 gallons valued at Rs 30 lakhs to 2 444 000 gallons valued at Rs 38 lakhs. Exports of castor oil continued to increase and amounted to 1 125 000 gallons valued at Rs 17 lakhs as compared with 982 000 gallons valued at Rs 15 lakhs in the preceding year and 477 000 gallons valued at Rs 9 lakhs in 1930-31. Exports of groundnut oil showed a remarkable expansion and totalled 917 000 gallons in 1932-33 as compared with 455,000 gallons in 1931-32 and 166 000 gallons in 1930-31. Despatches of coconut oil declined from 36 000 gallons in 1931-32 to 29,000 gallons in 1932-33.

Metals and Ores (Rs 4.68 lakhs)—The total exports of ores amounted to 227 000 tons valued at Rs 1 36 lakhs in 1932-33 as compared with 235,000 tons valued at Rs 1,47 lakhs in 1931-32. Exports of manganese ore which represent about 87 per cent of the total quantity of ores exported were even lower than the poor record of the preceding year and totalled 198 000 tons as compared with 212 000 tons in 1931-32 and 486,000 tons in 1930-31. As usual, France was the largest purchaser, but she reduced her takings from 80,000 tons to 75,000 tons. Shipments to Belgium also declined from 35,000 tons to 32 000 tons. Exports to the United Kingdom, which had fallen from 114,000 tons in 1930-31 to 54,000 tons in 1931-32, improved to 55 000 tons in the year under review. A noticeable feature of the trade was the increased participation of Japan which took 31,000 tons in 1932-33 as against 6,000 tons in the preceding

year. There were smaller shipments to Germany and the Netherlands, amounting to 1,300 tons and 2 000 tons respectively. Exports to the United States of America, which had declined from 49,000 tons in 1930-31 to 28,000 tons in 1931-32, ceased altogether in the year under review. The export trade in manganese ore was largely confined to Bengal and Bombay, the former accounting for 69 per cent and the latter 23 per cent as compared with 70 and 30 per cent respectively in the preceding year the remainder being shipped from Madras. There were no exports of ferro manganese and ferruginous manganese ore during 1932-33.

Exports of pig iron further declined by 38 per cent in quantity from 351,000 tons in 1931-32 to 218 000 tons in 1932-33 and by 40 per cent in value from Rs 1 23 lakhs to Rs 74 lakhs. Normally, Japan is the best purchaser of Indian pig iron but her takings were considerably reduced from 188,000 tons in 1931-32 to 72,000 tons in the year under review. It may be pointed out that in June 1932 Japan raised the import duty on pig iron from 1 70 yen to 6 00 yen per ton. India has been the principal exporter of this material to Japan and the enhancement of the duty has led to a substantial reduction of exports to that country. Exports to the United States of America also declined from 108 000 tons in 1930-31 to 51,000 tons in 1931-32 and further to 33,000 tons in 1932-33. These losses were to some extent compensated by increased shipments to the United Kingdom, which amounted to 76,000 tons in 1932-33 as against 69,000 tons in the preceding year. Exports to China also showed an advance from 15 000 tons to 17,000 tons while those to Germany declined from 13,000 tons to 8,000 tons. The following table shows the production of pig iron and steel in India during the past three years—

(In thousand tons)

	1930-31	1931-32	1932-33
Production of pig iron	1,140	1,070	880
“ “ steel	625	602	591
Production of finished steel	434	450	427

Other Exports—Other important exports from India include paraffin wax (Rs 2,02 lakhs), oilcakes (Rs 1,96 lakhs), Coffee (Rs 1,10 lakhs), spices (Rs 72 lakhs), teakwood (Rs 40 lakhs), dyeing and tanning substances (Rs 75 lakhs), unmanufactured tobacco (Rs 73 lakhs)

Index Numbers of Prices.

The Director General of Commercial Intelligence, Calcutta, publishes from time to time an addendum to the publication *Index Numbers of Indian Prices 1861-1926* which brings up-to date (1) the unweighted index numbers of 28 exported articles, (2) the unweighted index numbers of 11 imported articles, (3) the general un-weighted index number for 39 articles and (4) the weighted index numbers of 100 articles on base 1873-100

The following table contains these index numbers since the year 1925 —

Year	Exported articles 28 (un weighted)	Imported articles 11 (un weighted)	General Index No for all (39) Articles (un weighted)	Weighted Index No (100) Articles equated to 100 for 1873
1925	233	211	227	205
1926	225	195	216	260
1927	209	185	202	258
1928	212	171	201	261
1929	216	170	203	254
1930	177	157	171	213
1931	125	140	128	
1932	120	144		

Besides the above wholesale price index numbers, the Director General of Commercial Intelligence Calcutta, compiles a wholesale price index number for Calcutta while the Bombay Labour Office compiles similar statistics for Bombay and Karachi

The following table gives these index numbers since 1925

Wholesale price index numbers for Calcutta, Bombay and Karachi (Base 1914)

Year	Calcutta	Bombay	Karachi
1925	159	163	151
1926	148	149	140
1927	148	147	137
1928	145	146	137
1929	141	145	133
1930	116	126	108
1931	96	109	95
1932	91	109	99
1933	87	98	97

About the end of the year 1929 there began a sharp decline in wholesale prices which continued during 1930 and 1931. During 1932 although wholesale prices were slightly lower than in 1931, the fluctuations were within narrow limits. In 1933 prices again recorded a considerable fall.

The various Provincial Governments publish in their respective *Gazettes* fortnightly and monthly statements of retail and wholesale prices of certain important commodities. In addition to these, however, some of the Provincial Governments also publish working class cost of living index numbers. Such index numbers are being published regularly every month for the following centres, for Bombay, Ahmedabad, and Sholapur by the Labour Office of the Government of Bombay, for Nagpur and Jubbulpore by the Department of Industries, Central Provinces and Berar, for seven centres in Bihar and Orissa by the Department of Industries, Bihar and Orissa, and for Rangoon by the Office of the Director of Statistics and Labour Commissioner, Burma, Rangoon.

The Bombay working class cost of living Index number with base July 1914 100 stood at 931 in December 1933, the average for the year being 103. The Ahmedabad cost of living index number with base August 1926 to July 1927-100 stood at 71 in December 1933 while the Sholapur cost of living index number with base February 1927 to January 1928 100 stood at 68 in December 1933. The Nagpur cost of

living index number on base January 1927-100 was 59 in November 1933 while the Jubbulpore Index on the same base was 55. For Rangoon, four different index numbers with base 1931-100 are compiled for (a) Burmese, (b) Tamils, Telugus and Oriyas, (c) Hindustanis and (d) Chittagonians. The Index Number in December 1933 for these were 88, 91, 91 and 87 respectively.

The catastrophic fall in prices which commenced at the end of 1929 continued also during 1931 although with less vigour than in 1930. In 1932 prices ruled at a slightly lower level than in 1931. In 1933 the downward tendency of prices continued.

The inadequacy as also the general unreliability of Indian price statistics has been the subject of comment by many committees and commissions of enquiry and the majority of the Indian Economic Enquiry Committee of 1925 made many suggestions for the improvement of price statistics and advocated the passing of a Census and Statistics Act. This latter suggestion was also endorsed by the Whitley Commission on Indian Labour and the Government of India have already taken up the consideration of the subject. It is to be hoped that Messrs Bowley and Robertson who have recently arrived here at the invitation of the Government of India will make recommendation for putting Indian price statistics on a sound footing.

Air Routes.

Imperial Airways service provide through transport from Karachi to Europe and London arriving at Karachi from Europe each Thursday evening where it connects with Indian Trans-Continental Airways whose service departs from Karachi on Thursday evening reaching Jodhpur the same night leaving Jodhpur on Friday morning, it proceeds via Delhi and Allahabad arriving at Calcutta on Friday evening. On Saturday morning it leaves for Rangoon and Singapore.

From Calcutta Indian National Airways operate a daily service to Dacca and a bi-weekly service to Rangoon via intermediate ports.

In the reverse direction through air transport is provided from Singapore to Karachi by Indian Trans-Continental Airways and on to Europe and London by Imperial Airways westbound service, leaving Karachi each Wednesday morning.

The Tata Air Mail Service connects at Karachi with Imperial Airways Eastbound and Westbound services and provides through air transport to Ahmedabad, Bombay, Bellary and Madras.

The following are the Time Tables for the various services —

East Bound

	Time (Local) (Standard) Day
London, (<i>Croydon</i>)	Dep 12 30 Sat
Paris	Dep 17 15 "
Cairo	Dep 03 00 Tues
Baghdad	Dep 03 00 Wed
Karachi	Arr Afternoon Thurs

Imperial Airways

West Bound

Karachi	Dep 09 00 Wed
Baghdad	Dep 04 30 Fri
Cairo	Dep 04 30 Sat
Paris	Dep 09 30 Mon
London, (<i>Croydon</i>)	Arr 11 45 "

Intermediate calls are made at Brindisi, Athens, Mirabella, Alexandria, Giza, Ruthbah, Basra, Koweit, Bahrain, Shajrah and Gwadh in both directions.

The fares from Karachi are as follows — to Baghdad, £34, to Athens £71, to London £95. The through fare from Karachi to London allows for a weight of 100 kilos (221 pounds) per passenger, and a passenger is entitled to free conveyance of luggage to the extent of the difference between his own weight and the 221 pounds mentioned above.

If the difference between the weight of the passenger and 221 lbs is less than 30 lbs an additional 33 lbs of luggage may be carried free. The rate for excess luggage is just over twelve shillings per kilo. Children in arms are weighed with and carried under the same tickets as their mothers or nurses, and other children are charged full fare.

Tata Air Mail

South Bound

	Time	Day
Karachi	Dep 6 30	Fri
Ahmedabad	{ Arr 10 20 { Dep 10 30	"
Bombay	{ Arr 12 40 { Dep 14 10	"
Bellary	{ Arr 18 10 { Dep 6 30	Sat
Madras	Arr 9 15	"

North Bound

Madras	Dep 14 00	Mon
Bellary	{ Arr 16 45 { Dep 6 30	Tue
Bombay	{ Arr 10 20 { Dep 11 00	"
Ahmedabad	{ Arr 13 30 { Dep 14 20	"
Karachi	Arr 18 10	"

Indian Trans-Continental Airways

East Bound

	Time	Day
Karachi	Dep 15 45	Thurs
Jodhpur	" 05 00	Fri
Delhi	" 08 15	"
Cawnpore	" 10 30	"
Allahabad	" 12 15	"
Calcutta	" 05 30	Sat
Akyab	" 09 30	"
Rangoon	" 04 00	Sun
Bangkok	" 08 30	"
Penang	" 15 00	"
Kuala Lumpur	" 17 30	"
Singapore	Arr Evening	"

West Bound

Singapore	Dep 05 15	Sun
Kuala Lumpur	" 07 45	"
Penang	" 10 15	"
Bangkok	" 05 00	Mon
Rangoon	" 08 30	"
Akyab	" 11 45	"
Calcutta	" 05 00	Tues
Allahabad	" 09 30	"
Cawnpore	" 10 45	"
Delhi	" 14 15	"
Jodhpur	" 04 30	Wed
Karachi	Arr 09 00	"

Indian National Airways**CALCUTTA TO RANGOON**

	Dep	Total Time	Days
Calcutta	07 00		Tues
Chittagong	09 50		"
Akyab	12 45		"
Bassein	16 10		"
Rangoon	17 15		"

RANGOON TO CALCUTTA

	Dep	Total Time	Days
Rangoon	07 00		Fri
Bassein	08 20		"
Akyab	12 05		"
Chittagong	13 59		"
Calcutta	16 15		"

CALCUTTA TO DACCA (Daily)

	Dep	Total Time	Days
Calcutta	07 00		Daily
Dacca	08 52		"
Dacca	11 32		Daily
Calcutta	13 03		"

Africa and the Far East

Several new air services which are of considerable importance to India have been inaugurated, and of these the most notable is the England-Africa service which connects with the England-India service at Cairo to and provides an entirely new route between Delhi and South Africa.

Other important air lines established are the French service between Paris and Saigon and the Dutch service between Amsterdam and Batavia, both of which pass through Baghdad and Karachi.

Baghdad, in particular, is developing rapidly in importance and it is said, not without reason, that it will soon become the Clapham Junction of the air. This will certainly be the case if the projected services from Persia and Russia materialise.

The proposed extension of the England-India Air Mail to Australia is expected to be brought into operation shortly and a service already operates as far as Singapore.

The Indian Stores Department.

A detailed account of the organisation of the Indian Stores Department at Government of India headquarters and of the successive orders issued by Government to assure as far as possible the purchase of stores of Indian manufacture or in India is to be found in earlier issues of the Indian Year Book. The current rules to regulate stores purchase prescribe that preference in making purchases shall be given in the following order—

First, to articles which are produced in India in the form of raw materials or are manufactured in India from raw materials produced in India, provided that the quality is sufficiently good for the purpose,

Second, to articles wholly or partially manufactured in India from imported materials, provided that the quality is sufficiently good for the purpose.

Third, to articles of foreign manufacture held in stock in India provided they are of suitable type and quality requisite.

Fourth, to articles manufactured abroad which need to be specially imported.

The new rules were calculated materially to widen the scope of operations of the Department.

The total value of orders placed by the Department during the year 1932-33, the latest period for which figures are yet available, was Rs 3,30,90,903, as compared with Rs 3,60,00,006 during 1931-32. The fall in business was a result of the all round contraction and this was a direct consequence of the curtailment of the activities of the Spending Department imposed by prevailing conditions of trade depression and aggravated by a further drop in commodity prices.

As a result of the close observance of the Rupee Tender Rules by departments of the

Central Government and other provincial governments, the number of stores indents submitted for sending to the Director General in India Store Department, London, was 835 and their value Rs 70,36,880 against 951 for stores valued at Rs 93,84,301 in the preceding year.

The Department continued throughout the year to assist manufacturers in India to improve the quality of their products. The means adopted included technical advice and suggestions. Every endeavour was made to substitute supplies of indigenous manufacture, wherever possible, without sacrificing economy and efficiency. Among the more notable instances of developments in this direction the Department in their annual report give foremost place to the textile industry.

The final accounts of the Department for the year 1931-32 closed with a total revenue of Rs 13,84,370 and expenditure of Rs 24,89,699 showing nett deficit of Rs 11,05,329. The expenditure of the year 1932-33 is provisionally shown at Rs 21,67,056. The reduction which the figures indicate, in spite of a normal growth of expenditure, due to annual increments estimated at Rs 40,000 per annum, was produced by vigorous retrenchment measures. There was, however, a heavy fall on the credit side of the account, the total earnings amounting to Rs 10,14,439 as against Rs 13,84,370.

The question of definitely declaring the Department to be a commercial or service undertaking was under consideration of Government and they decided in January 1930 that it could not for the present be declared a commercial undertaking, as some of its activities were admittedly not of a commercial character, and that it should therefore be treated as a public service department.

Bombay Stamp Duties.

	Rs	a		Rs	a
<i>Acknowledgment of Debt</i> ex Rs 20	0	1	Up to Rs 1,000, every Rs 100 or part	0	12
<i>Affidavit or Declaration</i>	2	0	For every Rs 500 of part, beyond		
<i>Agreement or Memo of Agreement—</i>			Rs 1,000	3	2
(a) If relating to the sale of a bill of exchange	0	4	<i>Bond, Administration, Customs, Security or Mortgage Deed</i> —For amount not exceeding Rs 1 000 same duty as a Bond		
(a) If relating to the sale of Govt Security—Subject to a maximum of Rs 20, as 2 for every Rs 10,000 or part			In any other case	10	0
(b) If relating to sale of a share in an incorporated company or other body corporate—two annas for every 5,000 or part thereof of the value of the share			<i>Cancellation</i>	5	0
(c) If not otherwise provided for	1	0	<i>Certificate or other Document relating to Shares</i>	0	2
<i>Appointment in execution of a power—</i>			<i>Charter Party</i>	2	0
(a) Of trustees	15	0	<i>Cheque and demand drafts are exempt from stamp duty with effect from 1st July 1927</i>		
(b) Of property, moveable or immovable	30	0	<i>Composition—Deed</i>	20	0
<i>Articles of Association of Company—</i>			<i>Conveyance, not being a Transfer—</i>		
(a) Where the company has no share capital or the nominal share capital does not exceed Rs 2,500	25	0	Not exceeding Rs 50	0	8
(b) Where the nominal share capital exceeds Rs 2,500 but does not exceed Rs 1,00,000	50	0	Exceeding Rs 50 not exceeding Rs 100	1	0
(c) Where the nominal share capital exceeds Rs 1,00,000	100	0	Exceeding Rs 100 but does not exceed Rs 200	2	0
<i>Articles of Clerkship</i>	250	0	Exceeding Rs 200 but does not exceed Rs 300	4	8
<i>Award, any decision in writing by an Arbitrator, other than by an Order of the Court. The same duty as a Bond for the amount or value of the property to which the award relates as set forth in such award subject to a maximum</i>	20	0	For every Rs 100 or part in excess of Rs 100 up to Rs 1 000	1	8
<i>Bill of Exchange—</i>			For every Rs 500, or part thereof, in excess of Rs 1 000	7	8
here payable otherwise than on demand but not more than one year after date or sight (if drawn singly)—Not exc Rs 200, a 3, exc Rs 200, not exc Rs 400, a 6, exc Rs 400, not exc Rs 600, a 9, exc Rs 600, not exc Rs 800, a 12, exc Rs 800, not exc Rs 1,000, a 15, exc Rs 1,000, not exc Rs 1,200, Rs 1 a 2, exc Rs 1 200, not exc Rs 1,400 Rs 1 a 8 exc Rs 1,600 not exc Rs 2,500, Rs 2 a 4, exc Rs 2 500, not exc Rs 5,000, Rs 4 a 8, exc Rs 5 000, not exc Rs 7,500, Rs 6 a 12, exc Rs 7,500 not exc Rs 10,000, Rs 9, exc Rs 10,000, not exc Rs 15,000, Rs 13 a 8, exc Rs 15,000 not exc Rs 20,000, Rs 18, exc Rs 20,000, not exc Rs 25,000, Rs 22 a 8, exc Rs 25,000, not exc Rs 30 000, Rs 27, and for every add Rs 10 000, or part thereof, in excess of Rs 30,000 Rs 9			<i>Conveyance relating to immovable property situate within the cities of Bombay, Ahmedabad, Poona and Karachi, for the entries in article 23 the following entries shall be substituted, namely—</i>		
Where payable at more than one year after date or sight, same duty as a Bond			23 Conveyance (as defined by section 2 (10) not being a Transfer charged or exempted under No 62—		
<i>Bill of Lading</i>	0	8		1	2
<i>Bond (not otherwise provided for)—</i>				Bom	Ahmeda-
Not exceeding Rs 10	0	2		bay	bid,
Exc Rs 10 but not exc Rs 50	0	4			Poonā &
Exc Rs 50 but not exc Rs 100	0	8			Karachi
Exc Rs 100 & does not exc Rs 200	1	0		Rs a	Rs a
Exc Rs 200 & does not exc Rs 300	2	4	Where the amount or value of the consideration for such conveyances as set forth therein does not exceed Rs 50	0	8
			Where it exceeds Rs 50 but does not exceed Rs 100	1	0
			Where it exceeds Rs 100 but does not exceed Rs 200	2	0
			Where it exceeds Rs 200 but does not exceed Rs 300	8	8
			Where it exceeds Rs 300 but does not exceed Rs 400	12	0
			Where it exceeds Rs 400 but does not exceed Rs 500	15	8
			Where it exceeds Rs 500 but does not exceed Rs 600	19	0
			Where it exceeds Rs 600 but does not exceed Rs 700	22	8
			Where it exceeds Rs 700 but does not exceed Rs 800	26	0
			Where it exceeds Rs 800 but does not exceed Rs 900	29	8
			Where it exceeds Rs 900 but does not exceed Rs 1,000	33	0
			And for every Rs 500 or part thereof in excess of Rs 1,000	17	8
				12	8

	Rs		Rs
Copy of Extract —If the original was not chargeable with duty, or if duty with which it was chargeable does not exceed 1 Rupee.	1 0	Exceeding 6 and not exceeding 12 months	0 4
In any other case	2 0	If drawn in duplicate, for each part—	
Counterpart or Duplicate —If the duty with which the original instrument is chargeable does not exceed two rupees—		Half the above rates, for Sea and Time	
The same duty as is payable on the original In any other case	2 0	(3) Life —When the sum insured does not exceed Rs 5,000	0 8
Delivery Order	0 1	In any other case	1 0
Entry in any High Court of an Advocate or Vakil	500 0	In respect of each receipt for any payment of a premium on any renewal of an original policy—One-half of the duty payable in respect of the original policy in addition to the amount, if any chargeable under Art 53 (Receipt)	
In the case of an Attorney	500 0	(4) Accident and Sickness —Against Railway accident, valid for a single journey only	0 1
Instrument —Apprenticeship	10 0	In any other case—for the maximum amount which may become payable in the case of any single accident or sickness where such amount does not exceed Rs 1,000, and also where amount exceeds Rs 1,000 for every Rs 1,000 or part	0 2
Divorce	5 0	(5) Life or other Insurance , not specially provided for—	
Other than Will, recording an adoption or conferring, or purporting to confer Authority to adopt	20 0	For every sum not exceeding Rs 250	0 2
Lease —Where rent is fixed and no premium is paid for less than 1 year, same duty as Bond for whole amount, not more than 3 years, same as Bond for average annual rent reserved, over 3 years, same as Conveyance for consideration equal to amount or value of the average annual rent reserved, for indefinite term, same as Conveyance for a consideration equal to the amount or value of the average annual rent which would be paid or delivered for the first ten years if the lease continued so long, in perpetuity, same as Conveyance for consideration equal to one-fifth of rents paid in respect of first 50 years Where there is premium and no rent, same as Conveyance for amount of premium, premium with rent, same as Conveyance or amount of premium in addition to the duty which would have been payable on the lease if no fine or premium or advance had been paid or delivered		Exceeding Rs 250 but not exceeding Rs 500	0 4
Letter —Allotment of Shares	0 2	For every sum insured not exceeding Rs 1,000 and also for every Rs 1,000 or part	0 6
Credit	0 2	If drawn in duplicate for each part half the above rates	
License	10 0	Insurance by way of indemnity against liability to pay damages on account of accidents to workmen employed by or under the insurer or against liability to pay compensation under the Workmen's Compensation Act of 1923 for every Rs 100 or part payable as premium	0 1
Memo of Association of Company —If accompanied by Articles of Association	0 0	In case of re-insurance by one Company with another— $\frac{1}{2}$ of duty payable in respect of the original insurance, but not less than 1 anna, or more than 1 Re	
If not so accompanied	80 0	Policies of all classes of Insurance not included in Article 47 of Schedule 1 of Stamp Act of 1899 covering goods, merchandise, personal effects, crops and other property against loss or damage, are liable to the same duty as Policies of Fire Insurance	
Notarial Act	2 0	Power of Attorney —	
Note or Memo intimating the purchase or sale—		For the sole purpose of procuring the registration of one or more documents in relation to a single transaction or for admitting execution of one or more such documents	1 0
(a) Of any Goods etc in value Rs 20	0 4	When required in suits or proceedings under the Presidency Small Causes Courts Act, 1882	1 0
(b) Of any Stock or marketable Security exceeding in value Rs 20—		Authorising 1 person or more to act in a single transaction other than that mentioned above	2 0
a 2 for every Rs 5,000, or part		Authorising not more than 5 persons to act jointly and severally in more than 1 transaction, or generally	10 0
(bb) Of Government Security—Subject to a maximum of Rs 20, 2 as for every Rs 10,000, or part			
Note of Protest by a Ship's Master	1 0		
Partnership —Where the capital does not exceed Rs 500	5 0		
In any other case	20 0		
Dissolution of	10 0		
Policy of Insurance —			
(1) Sea —Where premium does not exceed rates of $\frac{2}{10}$, or $\frac{1}{2}$ percent of amount insured	0 1		
In any other case for Rs 1,000 or part thereof	0 1		
(2) For time —For every Rs 1,000 or part insured, not exceeding 6 months	0 2		

The Indian National Congress.

For a complete history of the movement represented by the Indian National Congress the reader is referred to earlier editions of the Indian Year Book. The Congress was founded in 1885 by Mr Allan Octavian Hume, a retired member of the Indian Civil Service, and it held its first session in Bombay at Christmas of that year, the fundamental principles of the Congress were laid down to be —

Firstly, the fusion into one national whole of all the different and discordant elements that constitute the population of India,

Secondly, the gradual regeneration, along all lines, mental, moral, social and political of the nation thus evolved, and

Thirdly, the consolidation of union between England and India by securing the modification of such of the conditions as may be unjust or injurious to the latter country

With these objects in view the Congress pursued an uneventful career until 1907. It undoubtedly exercised a great influence in inducing a spirit of national unity amongst the diverse peoples of India, in focussing the chief political grievances, and in providing a training ground for Indian politicians. But in 1907 the Extremists, chiefly of the Deccan and the Central Provinces, who had for some time chafed under the control of the older generation, succeeded in wrecking the Surat session of the Congress and produced a split which had long been seen to be imminent. The senior members of the Congress therefore re-crystallised its creed in definite terms. They laid down that—

“The objects of the Indian National Congress are the attainment by the people of India of a system of Government similar to that enjoyed by the self-governing members of the British Empire, and a participation by them in the rights and responsibilities of the Empire on equal terms with those members. These objects are to be achieved by constitutional means by bringing about a steady reform of the existing system of administration and by promoting national unity, fostering public spirit and developing and organising the intellectual, moral, economic and industrial resources of the country.”

For some years following 1907 efforts were made to heal the split and these were without avail until 1916 when a re-united Congress met at Lucknow under the presidency of Babu Ambica Charan Muzumdar of Faridpur in Bengal. But

the union then effected was purely superficial, the difference between the Moderates and the Extremists was fundamental, the Extremists captured the machinery of the Congress and from the period of the special session held at Calcutta in September 1920 the Congress passed entirely under the domination of Mr Gandhi and his lieutenants. In 1927 the Congress actually adopted independence as the goal of India. In the following two years the Congress made what the extreme leftists described as a climb-down, while the Liberals moved towards the left, with the result that for a time there appeared to be a commonness of purpose between the Liberals and Congressmen. At its 1928 Session the Congress, while adhering to Independence, agreed to accept Dominion Status if granted, before the end of 1929. Things were tending towards a satisfactory settlement when in the latter half of 1929 the Congress insisted on the immediate grant of Dominion Status or an assurance that Dominion Status would be the basis of discussion at the Round Table Conference to be convened in England between representatives of England and the two Indias. Here was the parting of the ways. The Liberals went their way and the Congress its own. In fulfilment of the “ultimatum” issued at its previous Session, the Congress, at its 1929 Session, declared for complete independence or “Purna Swaraj.” Throughout the year 1930 the Congress was engaged in a defiance of the law of the land which, it was hoped, would help India, to attain complete independence. Early next year the Congress actually suspended civil disobedience by virtue of an agreement arrived at with the Government, but the fulfilment of the terms of this agreement gave rise to trouble and another agreement was concluded. As a result of this Mr Gandhi, on behalf of the Congress, actually went to London to take part in the Round Table Conference. While he was away things took a turn for the worse in the country, and matters reached a crisis with the birth of the New Year. In 1932 the Government bent all its efforts to making it impossible for the Congress to carry on its subversive activities and succeeded fully in its object. Congress was crushed and all forms of Congress work throughout the country were successfully prevented. In fact as well as in law Congress ceased to exist. It became impossible for Congressmen even to hold their annual sessions since 1932. For some time it existed in fact, though not in law, but of late it has ceased to exist even in fact.

THE NON-CO-OPERATION MOVEMENT.

It was in 1920 that Mr Gandhi, who had only in the previous year unsuccessfully started his Passive Resistance struggle as a protest against the Rowlatt Act, conceived his idea of non-co-operation. Originally intended to be a protest against the British policy towards

Turkey, the “fighting” of two other grievances was later on added to its first object, namely, the punishment of officials in the Punjab Martial Law regime and the securing of Swaraj for India. Mr Gandhi and Mr Shaikat Ali were able in 1920 to get the Calcutta Special Congress

to endorse their programme of "progressive non-violent non-co-operation" which was reiterated by the annual session at Nagpur which, on Mr. Gandhi's motion, changed its old creed into 'the attainment by India of Swaraj by all legitimate and peaceful means'. The stern measures adopted by local Governments led to the imprisonment of a large number of active Congress men with the result that the Ahmedabad Congress in 1921 made a 'grim resolve' to challenge the repression movement by appointing Mr. Gandhi as dictator and by resolving to start a 'No Tax' campaign at Bardoli. The riot in Chauri Chaura in 1922 preceded by the Bombay riot in 1921 during the Prince of Wales's tour in 1920 and 1924 editions of his book opened Mr. Gandhi's eyes to the impossibility of maintaining a non-violent atmosphere under existing conditions. He suspended his proposed civil disobedience campaign and replaced it by what is known as the Bardoli Programme which checked all the aggressive items of non-co-operation in favour of the promotion of inter-communal unity and Khaddar. Soon after Mr. Gandhi was arrested for sedition, tried and sentenced to undergo imprisonment for six years (See 1923 and 1924 editions).

This turn of events threw cold water on the enthusiasm of non-co-operators who got discouraged. In order, therefore, to sound the country's readiness for aggressive action once more, the Congress appointed a Disobedience Committee, in June 1922.

The Committee toured the country and in October, 1922, produced two reports, one favouring Congress entry to offer co-operation to Government and the other recommending the adoption of the Bardoli Programme. A battle royal ensued between the two parties for two or three years, the Swarajists—or the "Co-operators," as they were derisively called by the non-co-operators—carrying the day throughout. Every little triumph of the Swarajists meant a diminution of the prestige and influence of the No Changers. This went on for some time until the Belgium session of the Congress, presided over by Mr. Gandhi himself, suspended the non-co-operation programme. Thereby the movement was practically killed, and strange to say it received its death blow at the hands of the very author of its being. But the fond parent did not lose heart and bided his time. His chance came in 1928 when the Congress was split into two warring camps. One was ready to accept Dominion Status for India, while the other would have nothing short of independence. At the psychological moment Mr. Gandhi staged a re-entry into the political arena—he had been, but a silent spectator during the five preceding years—and, professing to effect a compromise within the Congress, provided a loophole for the revival of non-co-operation. Although Dominion Status was actually declared in 1929 to be the goal of Indian political progress Mr. Gandhi insisted on having it on the spot and when that was naturally refused he returned to his old love non-co-operation and boycott. He had been biding his time, and the astute politician, that he is, he reintroduced in December 1929 his formula that had been dead five years. Indeed the Congress Executive

was authorized to give the signal for a campaign of non-co-operation of taxes and civil disobedience. Even in 1929 the Congress Executive appointed Mr. Gandhi as Dictator for all India and gave him power to launch civil disobedience and when he thought fit. The Mr. Gandhi in March and practically the whole of the year 1930. The Congress and Government of the day showed the kind of faith in him, the effects of the Government to put down all the Congress. The movement was the only of the very thing, the effect of the Government and civil disobedience to the Government. In 1929 a year of negotiations between the Viceroy and Mr. Gandhi. The year 1930 was a year of a situation although the discussion centered on all the issues of the Viceroy and Mr. Gandhi. The efforts for the year were carried to the point of India in Mr. Gandhi to participate in the Round Table Conference in London to formulate a constitution for India. All this however proved to be a full in the storm which had started out in full force early in the New Year. On the ground that the Government had broken the understanding arrived at between the Viceroy and Mr. Gandhi the Congress had declared in favour of a revival of non-co-operation. The Government however was apparently prepared for it, simultaneous with the announcement of the Congress decision the Government set in motion its powerful machinery and grappled with the revived non-co-operation movement before it had time to get rooted in civil disobedience was cooled before it was born this time. In short the Government killed the non-co-operation movement. Another attempt was made in the middle of 1931 to revive it in its attenuated form but the "Individual civil disobedience," as it was called, was still born. (See later).

Congress in 1925-32

The career of the Congress between the Belgium session, when the N.C.O. movement was suspended, and the years 1929-30 when civil disobedience was revived was comparatively dull. During the first half of 1925 the Congress policy was one of aimless drift. The death of Mr. C. R. Das demoralized the Swarajists. Mr. Gandhi promptly went to their rescue and at the end of the year the Swarajists' political programme was formally adopted by the Calcutta Congress. The 11th session of the Congress, which met in Assam during Christmas week in 1926, set its face against the acceptance of ministerialships or other offices in the gift of the Government—in other words disavowed the 'Responsive Co-operation', a new creed which had sprung up within the Swarajist ranks—and approved of the policy of rejection of budget and refusal of supplies until a response to the 'national demand' was forthcoming.

All this talk and quarrel about the internal affairs of the Congress were set at rest by the non-inclusion of Indians on the personnel of the Royal Commission on Indian Reforms. Most of the leaders fancied that it would be an insult to India if Indians were not appointed members of the Commission. Even moderates, reputed for their sobriety and reasonableness, affected extremism. The Viceroy endeavoured—but in vain—to explain the position to Indian leaders (See Year Book of 1928).

Congressmen, of course, met during Christmas 1927 and resolved to boycott the Simon Commission, declared independence as the goal of India and offered some solutions for the Hindu-Muslim problem. In the following year the Congress, in its plenary session at Calcutta, declared that Dominion status would be acceptable to India. This, it will be recalled, marks a return to 1908 when, soon after the Surat split, it was stated that the objects of the Congress were, among other things, "the attainment by the people of India of a system of Government similar to that enjoyed by the self-governing members of the British Empire." This, however, proved to be a mere smoke-screen raised by Congress tactics to conceal from the world their real intention which was disclosed in December 1929.

The Congress which met in Calcutta during Christmas in 1928 under the presidency of Pandit Motilal Nehru, was divided into three camps, the advocates of complete independence, those who wanted Dominion status and nothing beyond that, and Pandit Motilal sandwiched between the two, with one foot in either camp. This was just the opportunity for which Mr. Gandhi had apparently been waiting, and he staged a come back at the psychological moment. He threw in his weight with Pandit Motilal and sponsored a compromise formula. This satisfied neither wing but eventually a resolution was adopted which approved of the Nehru Reports embodying a "Swara," constitution framed by a committee under the Chairmanship of the Pandit Motilal Nehru and consisting of members of all parties) as a great step in political advance and, whilst adhering to the Madras resolution on independence, the Congress was prepared, subject to the exigencies of the political situation, to adopt the Nehru constitution, if it was accepted by the British Parliament before the expiry of 1929, and if that did not happen the Congress would revive non-violent non-cooperation. Congressmen could, in the meanwhile, carry on propaganda for independence.

The political outlook was gloomy, indeed, and there was a clear call for a generous gesture from Britain. Lord Irwin, the sympathetic Viceroy, saw this and strove his utmost to elicit legitimate Indian feeling. He undertook a trip to England on four months' leave and had long conversations with the Indian Office Chief and the newly formed Labour Cabinet of Britain. He returned in the last week of October and within a few days of his arrival issued from Delhi a statement which has since become famous as the **Viceroy's Declaration of October 31, 1929**. I am authorised, he said, on behalf of His Majesty's Government, to state clearly that, in their judgment, it is implicit in the Declaration of 1917 that the natural issue of India's constitutional progress, as there contemplated, is the attainment of Dominion Status. His Excellency announced the British Government's intention to summon a conference of representatives of British India and Indian States to discuss British Indian and All Indian problems for seeking the greatest possible measure of agreement for the final proposals to be placed before Parliament.

The main feature of the Congress session held shortly after was the reascendancy to power of Mr. Gandhi. The principal resolution went through successfully and, in fulfilment of the Calcutta Congress ultimatum, "Independence was declared when the New Year was rung in and the "Independence flag" was hoisted.

Events moved very fast in India in 1930 which has been epochal in the country's political history. On the one hand the British Government took practical measures to devise a constitutional machinery that would place India on the highroad to responsible self-government (see Round Table Conference section), on the other, the Congress, the premier political organisation of the country, made a bold bid for complete independence—or **Purna Swaraj**."

Civil Disobedience Movement

In pursuance of the resolution of the Lahore Congress, it was decided by the Congress leaders early in the year to test the strength and willingness of the country to undertake and carry on a programme involving loss, suffering and sacrifice, and with this end in view they organised what has since been called the "Independence Day" demonstration. The response according to the Congress leaders, "exceeded anticipations." Having thus ventilated the new revolutionary policy of the Lahore Congress and satisfied themselves that their methods would obtain general support in the country, the Working Committee appointed at Lahore met at Ahmedabad and decided to inaugurate mass civil disobedience. It appointed Mr. Gandhi as the 'Dictator' of the Congress and gave him full powers to launch, conduct and carry on the movement.

Before taking what he described as his "final plunge" in politics, Mr. Gandhi wrote in his first week of March his famous letter to the Viceroy announcing his determination to launch civil disobedience if his demands were not met. They were the famous Eleven Points of Mr. Gandhi—total prohibition, reduction of the rupee ratio to 1s 4d, reduction of the land revenue to at least 50 per cent and making it subject to legislative control, abolition of the salt tax, reduction of the military expenditure to at least 50 per cent, to begin with, reduction of the salaries of the higher grade service men to one half or less, so as to suit the reduced revenue, protective tariff on foreign cloth, the passage of the Coastal Traffic Reservation Bill, discharge of all political prisoners, withdrawal of all political prosecutions abrogation of section 124-A, of the Regulation of 1818 and the like and permission to all Indian exiles to return, the abolition of the C. I. D. or its popular control and the issue of licenses to use fire arms for self-defence, subject to popular control.

The reply sent to Mr. Gandhi by the Private Secretary to the Viceroy regretted that Mr. Gandhi contemplated "a course of action which is clearly bound to involve violation of the law and danger to the public peace."

When his impossible demands were turned down, Mr Gandhi outlined a programme of civil disobedience consisting of various items calculated to subvert the Government by breaking certain laws, reducing its income from excise and customs duties, inducing Government servants to resign, picketing liquor shops and shops dealing in foreign, particularly British, goods, mainly British cloth, and urging the masses not to pay land revenue, chowkidari tax and forest grazing fees. The salt Act was the first target.

After organising his forces in various centres in the country, Mr Gandhi inaugurated his civil disobedience movement by setting out on a march on foot from his Ashram at Sabarmati with the object of breaking the salt law and defying the Government. He reached Dandi on the seashore and picked up salt with out paying duty. The police did not interfere. This was the signal for Congressmen to break the law all over the country simultaneously.

On the first few occasions, the Government merely looked on, but the law-breaking fever spread fast and wide. Eventually the authorities took measures to prevent the manufacture and sale of illicit salt. They were resisted by Congress volunteers who formed a cordon round the spot where salt was made and defied the police to arrest them. The police arrested them at first, but they could not obviously arrest hundreds of spectators who, though not actually engaged in salt making, were encouraging the law breakers, jeering at the police and indulging in hostile demonstrations. When these crowds began to indulge in violence against the police the latter had perforce to disperse them by means of the regulation staff known as "lathi". This went on for a while without bringing Purna Swaraj any nearer. Mr Gandhi found a way out of the rut by declaring that he proposed to raid the salt works at Dharasana, near Surat. Similar raids were planned on the salt depot at Wadala, in Bombay. Shortly after this, however, Mr Gandhi was arrested under the provisions of a century old Regulation and confined during the pleasure of the Government as a state prisoner whose activities were a danger to the Government established by law.

The raids on the salt works at Dharasana and Wadala were carried out repeatedly and hundreds were injured when the police repelled the raid and dispersed the raiders and sympathisers. The advent of the monsoon put an end to salt making and salt depot raids. But other illegal activities were taken up.

The anniversary of a dead leader, "Independence Day" or some such pretext was utilised to organise anti Government demonstrations. The arrest of persons who were courting arrest was also the occasion for a display of hostility against the Government. Such disturbances occurred in several places and the police had to impose a ban on meetings, processions, demonstrations and the like which invariably disturbed the public peace and led to clashes. Even these prohibitory orders were disobeyed thereby compelling the police to use force. Two such instances

occurred in **Sholapur and Peshawar**. In the former place the police were attacked, constables mobbed and murdered in broad daylight, and Government buildings and law courts set on fire. Martial law was introduced and quiet restored after a long time. In Peshawar also rowdy crowds defied the police and even the military British troops were stoned. People were so much inflamed that it took a number of weeks for the return of normal conditions. It was revealed during the Peshawar disturbances that the Congress propaganda had to some extent interfered with the discipline of a few Indian sepoys.

Nor did the Congress stop here. Thanks to its persistent propaganda, the martial races inhabiting the border were taught to hate the British and to expect the establishment of "Gandhi Raj" at an early date. A belief that the British administration was weakening spread across the border to the Afridis who carried out a series of raids on Peshawar. Not that these were by any means successful, they were easily repelled and severely punished. But it would not do to allow them to continue in the false belief that they could defy the British Government with impunity. The Government, therefore, took prompt punitive measures and put an end to the raids.

Congressmen living in inland areas stirred up villagers against the Government and persuaded them to refuse to pay dues for grazing cattle in the forests. Forest regulations were broken.

Gujarat, where Mr Gandhi's influence was greatest, was the stronghold of the movement for non payment of land revenue. In all the four districts of Gujarat ryots were persuaded to withhold payment of arrears of the previous years and, later on, of the instalments of the following year.

The non tax campaign and the seditious appeals calculated to disturb the loyalty of the police and the troops could not be allowed to continue. Similarly, the authorities could not look on when Government servants in Gujarat, who refused to resign their posts in obedience to the Congress mandate, were subjected to countless hardships in the shape not only of social boycott but also refusal of daily supplies and even of water. In several instances Government servants were coerced and prevented from doing their duty—things were made so hot for them. The activities of the Congress in other spheres also became too mischievous to be tolerated any longer and the Viceroy issued a **series of Ordinances**. One of these gave power to the Government to confiscate the premises of Congress offices whence baneful doctrines emanated. Refusal of normal supplies and services to Government servants was also made an offence. Later in the year all the Congress and allied bodies were declared unlawful associations under another Ordinance.

One of the main objects of the Congress was to deplete the Government treasury by attacking the excise and customs revenue. Excise was the main source of revenue to most provinces and customs to the central government. It was also intended seriously to affect British industry, particularly the Lancashire textile

trade For this purpose systematic picketing of liquor and foreign (especially British) cloth shops was resorted to. This work was reserved for the large number of women who, for the first time in the history of politics in India, joined the movement in response to Mr Gandhi's appeal. The willing co-operation of the commercial community made the task of the women pickets somewhat easy, but in several cases coercion replaced peaceful persuasion and the consuming public were put to untold hardships. The Viceroy issued an Ordinance making picketing accompanied by intimidation or coercion punishable.

The upheaval had its own effect on impulsive and immature youths and the year witnessed a large number of revolutionary outrages, in many of which bombs and fire arms were used. Police officers were killed and an attempt was made to assassinate the Governor of the Punjab. An armed raid was made on the Chittagong armoury. Many deplored these incidents, but the mischief had been done.

The year 1931, however, opened bright, for before the end of January Mr Gandhi was again a free man. His release was a magnanimous gesture on the part of the British Government, intended to create a favourable atmosphere in India for the reception of the Premier's statement of 19th January and to give the Congress a fair chance to consider the offer embodied therein. On the very day on which the Premier made his famous pronouncement (See 'Indian Round Table Conference') leading delegates in London urged the Premier to follow up his statement with a generous gesture in the shape of general amnesty to all political prisoners. Mr MacDonald complied and within a week the principal Congress leaders were released from prison.

They soon met together and considered the Premier's statement which, of course, they deemed unacceptable, a deadlock was again threatened but, thanks to the good offices of eminent Liberal leaders, the Congress secured the Government's assent to what has since become famous as the Irwin Gandhi Pact or the Delhi Pact. (See 1932 *Indian Year Book*)

This "truce" was signed on the 5th of March and was hailed all over the country as the dawn of a new era of co-operation. The past was for a time forgotten and there was a lull in political activity. All were eagerly looking forward to the Congress delegates contributing the weight of their influence and experience to the success of the second Round Table Conference. Nevertheless, a strong under current of resentment ran through the ranks of the Congress who openly complained that Mr Gandhi had weakly surrendered to the Government in agreeing to call off the struggle. This feeling, which was held by the wild men of the left and impetuous youths, was enhanced by the execution of Bhagat Singh and his accomplices who had been judicially found guilty of murder and other terrorist crimes. The execution was the signal for a furor in the country, much to the chagrin of Mr Gandhi.

It was in this state of feeling that the forty-fifth session of the Congress met at Karachi under the Presidentship of Mr Vallabhbhai Patel. (See last year's *Indian Year Book*)

The outstanding feature of the Karachi session was the unprecedented outburst of revolutionary sentiment which throughout characterised its proceedings. It was always there, but dormant, and the execution of Bhagat Singh stirred it up. The revolutionaries, particularly from Bengal, asserted themselves publicly and a determined effort was made to torpedo the Delhi Pact. The intensity of feeling could be gauged by the action of a few youths who on the arrival of Mr Gandhi went to the length of presenting him with a black flower in token of Bhagat Singh's execution. Thus Mr Gandhi had to work against insuperable odds and it speaks volumes for his great personal influence that he managed to carry the day. This, however, he achieved only by subscribing to a resolution which only half-heartedly condemned terrorist outrages, extolling at the same time the terrorists' motives and their "courage and self-sacrifice". In this connection it may be noted that following this resolution a number of revolutionary crimes were perpetrated during the year. (See last year's *Indian Year Book*)

To return to the Karachi Congress. Such was the charm exercised by Mr Gandhi over his followers, sober as well as terrorist, that, in the midst of cries denouncing the Delhi Pact as a surrender, the open session of the Congress almost unanimously ratified it and nominated Mr Gandhi to proceed to the R T C as its representative.

The resolution ran "This Congress, having considered the provisional settlement between the Working Committee and the Government of India, endorses it, but desires to make it clear that its cult of independence remains intact. The Congress delegation will work for this goal so as to give the nation control over the army, external affairs, finance and economic policy and to have a scrutiny by an impartial tribunal on the financial transactions of the British Government in India and to examine and assess the obligations to be undertaken by India and England—with right for either party to end the partnership at will. Provided, however, that the Congress delegation will be free to accept such adjustments as may be demonstrably necessary in the interests of India, the Congress appoints Mr Gandhi as its delegate to the R T C with the addition of such representatives as the Working Committee may add later."

Another important resolution passed by the Congress defined "Purna Swaraj". This again was a sop to the clamant left wing and its passage gave a clear indication of the way the wind was blowing. The main idea underlying the resolution was the creation of a socialistic state as outlined by Pandit Jawaharlal Nehru in his presidential address to the previous session of the Congress at Lahore. Astute politician that Mr Gandhi is, he saw in this resolution a formula which would prevent an alternative revolutionary programme from taking the field.

"Purna Swaraj" was defined as a government which would secure certain specified fundamental rights for the people, living wage for the workers,

reduction of land revenue, levy of inheritance tax, adult suffrage, free primary education, reduction in military expenditure and in civil servants' salaries, control of key industries, etc

The feeling that prevailed at Karachi characterized the activities of the Congress throughout the rest of the year—the same restlessness at having to accept the Delhi Pact, the same lip condemnation of terrorism side by side with sympathy with terrorists. The "War Lords" of the Congress were chasing under the enforced silence and could hardly resist the tendency to create mischief.

It was very easy for them to pick a quarrel with the Government over the implementing of the Delhi Pact. They accused Government of being slow and niggardly. In releasing political prisoners they insisted on the reinstatement of all village officials who had resigned when the Congress campaign was at its height—even in the case of those who had been replaced since. They claimed substantial if not wholesale remissions of land revenue on the slightest pretext. They bitterly complained against alleged excesses of the police in collecting land revenue. Taking shelter under the withdrawal of the anti-picketing ordinance they continued their picketing operations as they did during the civil disobedience movement. This last led to several clashes, notably in Cawnpore where aggressive picketing resulted in serious and prolonged Hindu-Muslim rioting—described as a "ghastly holocaust"—involving widespread massacre.

Speaking of the Cawnpore disturbances and the communal tension that they led to, one is reminded of the growing differences between the Congress and the Muslims that were a feature of the year's politics. Ever suspicious of Congress bona fides towards Muslim rights the Mahomedans kept aloof from the civil disobedience movement and any attempt on the part of Congress leaders to rope them in resulted in a clash. Mr. Gandhi however, made repeated attempts to placate the Muslims, making numerous offers to meet their demands from time to time. The bulk of the Muslim community was particularly angry with Mr. Gandhi and the Congress for the tactics adopted by them to secure the support of the entire community to an agreed formula. Mr. Gandhi and the Congress sought to make capital of the presence of a few Muslims in the Congress, calling themselves Nationalist Muslims. Congress was ready it was stated, to accept any scheme on which the entire Muslim community, including the Nationalist Muslims, put forward and attempts were accordingly made in Bombay, Ahmedabad, Bhopal, Delhi and Simla in various parts of the year, to evolve a communal formula, but all fell through.

The Congress made two more attempts in July to arrive at a formula and eventually drew up a "compromise between undiluted communalism and undiluted nationalism." Joint electorates were to form the basis of representation in the future constitution of India, but it was agreed that there should be reservation of seats in the Federal and Provincial Legislatures on the basis of population with the right

to minorities to contest additional seats in any province where they were less than 25 per cent. This was, of course, not acceptable to the Muslims, who, to a man, stood by the Fourteen Points.

Disappointment at the failure to solve the communal tangle rendered the political outlook gloomy and the Congress leaders began to wonder whether any good would result from their participation in the Round Table Conference. Meanwhile those of them who were itching for a fight had succeeded in working up in the country parts, particularly in Gujarat and the U. P., a situation which the Government could hardly tolerate.

In the United Provinces particularly an agrarian dispute of a purely economic character, aggravated by growing trade depression was turned to political advantage by Congressmen. In the result although the no rent campaign being part of the civil disobedience movement was abandoned under the Delhi Pact, it was revived now, nominally as an economic agitation but really as a political weapon. The Government had perforce to take measures to ensure the collection of land revenue, but the Congress protested against them. This was added to the long list of sins of omission and commission, of which the Congress accused the Government. Similarly in Gujarat, it was alleged that the police were using excessively coercive measures to collect Government dues.

On all these grounds, cumulatively, Mr. Gandhi declared that the Delhi Pact had been broken by the Government and that therefore, he was released from his obligation thereunder to participate in the Round Table Conference on behalf of the Congress. "The civilians have undone the statesman's work," Mr. Gandhi complained. Mr. Gandhi released for publication what he described as a charge sheet against the Government, who replied with an equally long list of instances in which the Congress agents had broken the Delhi Pact. Lengthy correspondence passed between Mr. Gandhi and the officers of the Government of Bombay and the Government of India, the main point of which was Mr. Gandhi's demand that the Congress should be recognised as an intermediary between the people and the Government and the Government's firm repudiation of that contention. Numerous interviews took place between Congress leaders and Government officers all of which unfortunately proved fruitless. This new deadlock again darkened the political horizon but Mr. Gandhi was induced to ask for an interview with the new to "clear up certain

Then began what were known as the Simla talks. Mr. Gandhi asked for an impartial inquiry into the incidents at Bardoli and once again the Government of India turned it down. Nor was the Congress allowed to negotiate with the Government as a parallel body on an equal footing. Eventually, however, the Government offered to institute a departmental inquiry into the charges made by the Congress against officials in Bardoli and this provided a loop hole for the Congress to get out of the awkward corner into which it had placed itself. Affected to be satisfied with this concession, Mr. Gandhi agreed to go to London.

(The part played by Mr. Gandhi at the R T C is referred to in the "Indian Round Table Conference" section)

With Mr. Gandhi away, conditions worsened in India and his lieutenants continued their activities in defiance of both the Delhi and the Simla Pacts. Very soon an unsatisfactory situation was created in India which found its counterpart in the poor progress made in London towards reaching an agreed formula for the future constitution of India.

Congress propaganda in areas like the North West Frontier Province, easily susceptible to subversive doctrines, resulted in a flare up. Tribes on and across the Frontier were led to believe that the British authority was on the wane and Peshawar was actually invaded. The "Red Shirt" movement, organised by a follower of Mr. Gandhi, was assuming menacing proportions and the Government had to act. An Ordinance was promulgated with a view to checking the spread of this movement, and Khan Abdul Gaffar Khan, its author, was deported from the scene of his operations.

Similarly an Ordinance was issued to check the aggressive no rent campaign in the United Provinces, and Pandit Jawaharlal Nehru was arrested for disobeying certain orders passed on him under this Ordinance.

The hollowness of the Congress charges was revealed by the findings of the Inquiry Officer who went into the allegations against the police and the Government in Bardoli. He held that there had been no cases of undue coercion and found most of the Congress charges unfounded.

This gloomy situation coincided with the return of Mr. Gandhi on the 28th of December, without having achieved anything substantial at the Round Table Conference beyond re-stating the impossible Congress demands proclaimed many a time before. The stage was thus set for another political struggle in the country, which began in the first few days of the new year with the arrest of Mr. Gandhi.

Congress in 1931-32

The Government had planned out its programme thoroughly and was ready to meet any emergency. Within a few hours of the arrest of Mr. Gandhi the Government issued ordinances of a comprehensive character giving wide powers to the executive to deal with the civil disobedience movement with determination, so that there was little scope for escape on the part of Congressmen. (See last year's *Indian Year Book*)

With such wide powers put into operation with extraordinary speed and rigidity, Congressmen all over the country were hauled up within the very first week after the issue of the ordinance. In most cases they were rounded up on suspicion arising out of their past conduct. Later on option was given to them to give undertakings about their future behaviour and thereby obtain their release. In some cases the authorities

succeeded in securing such undertakings, but in the majority of cases Congressmen remained firm. In the first three months of the operation of the ordinance the jails in almost every province were full to overflowing and special accommodation had to be found for the thousands of prisoners who were incarcerated under the new policy.

When the life of the ordinances was about to expire at the end of six months the Government in the centre as well as in the various provinces acknowledged that they had almost succeeded in scotching the Congress movement, but they pleaded that, although the movement had been brought under control, the danger of its revival was not absent. It was therefore decided to consolidate all the ordinances into one omnibus ordinance and renew them till the end of December. Before the year closed the Government came forward with Bills both in the centre and in the provinces to put into the form of a statute the more important provisions of the consolidated ordinance. The legislatures in the country had no strong Congress element on account of the boycott of councils adopted by the Congress during the last general election, so that the Government did not find much difficulty in getting the ordinance bills passed into statutes. The only concession they made was to limit its duration to one or two years in the different provinces.

After the first flush of the operation of the ordinances the Congress movement gradually weakened. No doubt the Congress had its so-called Emergency Councils and Dictators carrying on civil disobedience activities in a spasmodic manner, but it became apparent as the year 1932 advanced that the support from the country became less and less month by month.

Early in the year 1932 an attempt was made to hold the annual session of the Congress at Delhi. Similarly another attempt was made early in 1933 also. On both occasions Pandit Madan Mohan Malaviya came forward to preside. Batches of Congressmen went from different parts of the country to Delhi and Calcutta, respectively, but they were all arrested on leaving their places or before reaching their destination and set free again after the date of the projected session. The Congress claimed that in spite of all this obstruction they held the sessions and passed resolutions reaffirming the civil disobedience movement, but the whole thing was practically reduced to a farce. It was really a game of hide and seek. It is not impossible in such large cities like Delhi or Calcutta for a handful of men to meet in spite of the determination of the police to prevent any formal meetings. Such was really the case. When the police were not within sight and before they could come a few men crowded together, "held the session" and passed resolutions. No sooner was this done and, in fact, while the "session" was in progress, the police arrived, dispersed the meeting and arrested those who participated in the "proceedings".

One side effect of the movement for the boycott of British goods was the riot between Hindus and Muslims in the city of Bombay. It appears

that the Muslim community was against the boycott movement and in the attempt to assert its liberty to purchase whatever goods it wanted it came into conflict with the Hindu section of the commercial public. Words led to blows and quarrels led to a riot which lasted nearly two months levying a heavy toll of nearly 400 killed and several thousands wounded.

Thus from very early in the year 1932 the country was in the grip of the civil disobedience movement and the measures which the Government adopted to suppress it. After the Government had put about 75,000 persons in jail all over the country, the movement, as stated before, began to wane and by the end of the year it had nearly disappeared.

In the latter half of 1932 His Majesty's Government published what is known as the Communal Award laying down what it considered to be an equitable settlement of the mutual claims of the different religious sections in the country as regards seats in the legislatures and the proportion in which they should be divided among them. This award was necessitated by the failure of the representatives of different communities to arrive at a common settlement during the first two sessions of the Round Table Conference. In the course of the second R T C the minorities, consisting of the Muslims, the depressed classes and the Anglo-Indians, arrived at a mutual settlement known as the Minorities Pact which, they claimed, had the support of 45 per cent of the population of India.

When the Award was published it was strongly resented by the Hindu community and by the extreme section of the Muslim community which did not get everything that was claimed for the community. In the Punjab and Bengal, especially, it led to a strong agitation on the part of the Hindus.

A section of public men made repeated attempts to arrive at a mutual settlement in order to replace the Award as provided in the Award itself, but nothing resulted.

Similarly there was great dissatisfaction among the Hindu community about the separate electorates on which basis provision had been made in the Communal Award for the representation of the depressed classes. The Hindus claimed that the depressed classes, being but a section of the Hindu community, should not be permanently separated from the bulk of the Hindu community. Mr Gandhi from his prison cell made it a question of conscience and suddenly declared a fast unto death unless the Communal Award was amended in respect of the representation of the depressed classes by means of separate electorates.

This sudden declaration led to a commotion in the country and several leaders gathered together in Poona and, with the help of Dr Ambedkar and Rao Bahadur Raje, representing the two rival groups of the depressed classes, and the help of representative Hindus like Pandit Malaviya, arrived at a formula known as the Poona Pact, which was a modification of that portion of the Communal Award which dealt with the representation of the

depressed classes. As the crisis in Mr Gandhi's life was approaching, owing to prolonged fast, the Prime Minister and the British Cabinet lost no time in effecting a modification of the Award as desired by the signatories to the Poona Pact (See last year's *Indian Year Book*).

An incidental effect of this fast of Mr Gandhi was that it served to bring him once more in the limelight after months of obscurity. As during the past two or three years the Congress stood for Mr Gandhi and *vice versa* and as the Government had successfully suppressed the Congress movement, Mr Gandhi's name and personality receded into the background at least temporarily. This oblivion into which Mr Gandhi had been forcibly thrust was shattered by the "fast unto death", and he became once more the dynamic influence of the previous year. It is true that his activities were confined to the uplift of the depressed classes, but the contact that he was thereby enabled to establish with the outer world served to hearten his sympathisers. During the fast he was given the option of leaving the jail and choosing his own residence, provided he undertook not to take any part in the civil disobedience movement, but Mr Gandhi did not avail himself of this conditional offer of freedom and continued to remain in jail.

Even after he broke his fast he was permitted to continue his activities for the amelioration of the condition of the depressed classes and to work for the abolition of untouchability from within his prison cell. His agitation for a change in the age-long social law among Hindus provoked a counter-agitation on the part of orthodox Hindus who went to the length of suggesting that even if it meant Mr Gandhi's death they would not surrender an inch. The outburst of social reformist enthusiasm engendered by the "fast unto death" gradually waned and in certain respects even a set back ensued. Untouchables' claim for equality with caste Hindus in the matter of entry into temples led to clashes. These circumstances induced Mr Gandhi to undertake an unconditional fast for twenty-one days. Thus once again Congress leaders and sympathisers had the satisfaction of seeing the author of non co operation in the public eye, though in a non political sphere.

In consideration of the moral and spiritual value attached by Mr Gandhi to his new fast and in view of his old age and weakened state of health, Government unconditionally released him the day after the commencement of the fast. Immediately after his release Mr Gandhi suspended civil disobedience for six weeks, and the period of suspension was subsequently extended till August 1. The fast ran its prescribed course and was broken at the end of three weeks. Mr Gandhi is an adept in fasting for long periods and therefore stood the ordeal very well. Very soon he regained his normal health. During his convalescence he held consultation with Mr M S Aney, the acting President of the Congress, and with Dr M A Ansari and Dr B C Roy, two leading Congressmen, who were attending upon him as his medical advisers. As a result of these conversations, Mr Gandhi convened an informal conference of such of the leading Congressmen as were out of jail at the

time for considering how far and in what direction the Congress should change its policy. The Conference met in Poona in the middle of July and was attended by representative Congressmen from all over the country.

Mr. Gandhi had in the meanwhile sent for the Rt. Hon. V. S. Sastri, who came from Combarore. One could now gauge what his advice must have been, but it is clear that the Congress leader paid little heed to his counsel.

The proceedings of the Conference were thorough, lively. Two schools of thought emerged from the discussions: one held that civil disobedience had had sufficient trial but had failed to relieve the end in view, "as the repressive policy of Government has proved too strong for it"; the other school was not willing to admit defeat. Even though the number of persons ready to go to jail and make sacrifices for the country was steadily falling, it was argued, it was not numbers but the determination to win freedom which was an important factor in changing the mentality of Government. Many favoured the abandonment of civil disobedience and openly acknowledged the failure of the movement, but it seemed clear that Mr. Gandhi refused to surrender, according to him a Satyagrahi should not rest until his objective was attained.

Eventually the Conference resolved to withdraw civil disobedience as from August 1, provided an honourable agreement was reached with the Viceroy by Mr. Gandhi, who was authorised to seek an interview with his Excellency for that purpose. The Conference refused unconditionally to withdraw civil disobedience or to accept Mr. Gandhi's suggestion to replace mass civil disobedience by individual civil disobedience.

In pursuance of this resolution, Mr. Gandhi requested the Viceroy to grant him an interview, but the request was turned down on the ground that the interview was for the purpose of initiating negotiations with Government regarding conditions for the withdrawal of civil disobedience and that Government could not enter into any negotiations for the withdrawal of a wholly unconstitutional movement. A second request by Mr. Gandhi, offering to explain to the Viceroy that the proceedings of the Poona Conference, taken as a whole, were calculated to bring about honourable peace, met with a similar fate. The reply to the second request was that there could be no question of holding conversations with the representative of an association which had not abandoned a movement intended to coerce Government by means of unlawful activities.

Soon after the conclusion of the Conference, Mr. Aney, the acting President of the Congress, issued a statement in which he refused unconditionally to withdraw the civil disobedience movement, but ordered the discontinuance for the time being of all mass civil disobedience, including the no tax and no rent campaigns, reserving the right to any individual who might be ready for suffering. The secret methods adopted till then were to be abandoned and all

Congress organisations, including the office of the A. I. C. C., should cease to exist for the time being.

Meanwhile, Pandit Jawaharlal Nehru was released from jail a short while before his time, owing to the serious condition of his mother's health. This gave him an opportunity of meeting Mr. Gandhi and they had several days' close consultations. It was agreed that they should record their respective opinions on the Congress policy in the form of letters to each other and these were later published. Sharp differences of opinion manifested themselves during these conversations but the two leaders agreed to ignore them for the present and concentrate on such aspects of Congress work which were common ground between them. From the published correspondence between them it became known that Pandit Nehru insisted that the Congress should put into practice its professed sympathy for the masses and not rest content with mere paper resolutions. He would have the Congress come into the open and engage itself in active work in the cause of the peasants and workers. In short, he adumbrated an economic scheme based on his socialistic ideals. Mr. Gandhi, however, accepted the young leader's scheme as an ideal, but refused to adopt it as a working programme for the immediate future. They agreed to differ and each pursued his own course.

Mr. Gandhi left Poona and reached Ahmedabad through Bombay. Anticipating his sudden arrest, he dismantled his Sabarmati Ashram, giving the inmates full freedom to act as they liked, either to follow him to jail or to work for their ideals according to their lights. He offered the Ashram property to Government and at the same time intimated his desire to march to the village of Raas, accompanied by a few devoted followers, to practice "individual civil disobedience." The contemplated march was prevented and Mr. Gandhi and his followers were taken into custody. The Congress dictator was taken to Yeravda and served with an order under the Criminal Law Amendment Act restricting his movements, which he naturally disobeyed. Thereupon he was re-arrested, tried in court and sentenced to one year's imprisonment in "A" class. He was thus no more a State prisoner detained under a century-old regulation at the will of the executive government, enjoying extra-penitentiary rights in respect of interview, etc., but an ordinary prisoner like other political offenders. This circumstance notwithstanding, Mr. Gandhi insisted on being given the same facilities to do propaganda on behalf of the Harijans as he enjoyed during his incarceration under Regulation III of 1818. As a special case Government waived certain of the jail rules and allowed him, within limits, to direct the Harijan uplift movement. He first accepted these concessions, but changed his mind and announced a hunger strike until he was given the former facilities. Government remained unmoved and after a few days' fast he was removed to hospital still as a prisoner. When, however, he entered the danger zone, he was unconditionally released on medical advice. He broke his fast, but declared that he would not exploit the release granted under such peculiar circumstances to

further political ends. He would consider himself a political prisoner till the expiry of the period of sentence imposed on him. During all this period there was very little Congress activity. Government did not allow the Congress to raise its head. What little interest there was in Congress work was side-tracked and people's attention was diverted to Harijan work—one more instance of how the Congress was Mr. Gandhi and *vice versa* during the past few years. He threw himself heart and soul into the Harijan campaign, but as far as politics were concerned he issued on himself a self-restricting ordinance. Government let him free to tour the country urging the removal of untouchability, collecting funds for the education and social amelioration of the Depressed Classes, pleading with high class Hindus to open the doors of caste temples to Harijan worshippers and to give them the use of public roads, wells, etc. He visited several places in the Karnatak, Andhra, the Tamil Districts and Malabar, including Mysore, Cochin, Travancore and Hyderabad States. He met with opposition from orthodox Hindus, and rowdy scenes and even clashes occurred at more than one place between the Sanatanists (orthodox people) and the reformers.

The tour was interrupted by the disaster in Bihar where unprecedented earthquake shocks had laid waste fields and reduced towns to ruin. On reaching Patna after some delay Mr. Gandhi found that the situation called for immediate and sustained relief and reconstruction, and at a meeting of the Central Relief Committee he announced his readiness to offer the respectful co-operation of the Congress with Government in affording relief to the destitute victims. Once before Congress leaders had taken an active interest in the proceedings of the Assembly in connection with the Temple Entry Bill (which has been circulated for eliciting public opinion), and now in the face of a great disaster the Congress again decided to co-operate. Many attached great significance to this gesture and foresaw the development of co-operation in other fields of public activity.

In fact, the country had been prepared for a change in Congress policy. One small but important section of Congressmen in Maharashtra (including the Berars) proclaimed a revolt against civil disobedience and started a separate party within the Congress to work for the lifting of the ban on Councils and to contest the elections under the new reform scheme. The Democratic Swaraj Party (as the new organisation was called) was composed predominantly of right wing Congressmen of the Maharashtra districts of Bombay and C.P. This constituted a definite move to break the influence of Mr. Gandhi and his junta on nationalist opinion in the country. The three articles of the Party are firstly, the achievement of complete independence by all legitimate and peaceful means should be the country's goal, secondly, civil disobedience, whether of the individual or mass variety, should in the present circumstances of the country be withdrawn, and, thirdly, all representative institutions from the village panchayats to the Central Legislature should be captured for the political advancement of the country.

These efforts were assisted by similar action by other sections of Congressmen in Madras and the Andhra Provinces. The intensity of revolt grew steadily until an attempt was made to convene a conference during the Easter at Delhi to discuss the re-orientations of Congress policy. Nothing definite, however, has happened upto the time of writing this review, but indications point to a swing to the right. A change in Congress policy seems certain soon after the publication of the report of the Joint Select Committee.

Indian Princes and Reforms—During the past four or five years the Indian Princes have figured largely in discussions on the future constitutional machinery of British India. They became actively interested in British Indian Reforms with the announcement made by representative Princes at the First Round Table Conference that they would join an All-India federation provided there were adequate safeguards for them. This enthusiasm, however, waned in 1931 when some prominent Princes began to entertain doubts about the advisability of their joining the Federation. The Congress resolution which set its goal as the establishment of a socialist state and the subsequent pronouncements of Congress leaders, including Mr. Gandhi, on their intentions if they gained power, made the Princes pause before they plunged. The Maharaja of Patiala was the first to come into the open to warn his brother Princes against the dangers to their very existence involved in the Federal Structure Committee's plan. He declared that smaller States were bound to suffer the fate of the smaller German principalities under the Confederation of 1815 and disappear from the map of India. He suggested the advisability of a Union of Indian States directly in relationship with the Crown. He was later followed by other Princes, who shared his fears, and the view gained in strength that unless adequate guarantees were given for the continued maintenance of their rights and privileges, they should not give their consent to join the proposed Federation.

When the Maharaja of Bikaner accepted the idea, on behalf of his brother Princes, at the first Round Table Conference, to join the All-India Federation, no details of the scheme for the entry of the Princes were discussed. When the question was later gone into at the Federal Structure Sub-Committee of the R.T.C. it became evident that the Princes had a number of mental reservations and conditions precedent to their entry. On their return to India they had mutual consultations and the Maharaja of Patiala became the sponsor of a modified plan of federation, namely, that, instead of each Ruler entering the Federation singly on his own terms, the matter should be discussed by the Chamber of Princes and the terms for their entry should be so settled that the Princes as a body should form one group of their own and join the federation only for certain specific purposes and to the extent that they consented to do so.

This gave a new aspect to the whole question. For some time there was difference of opinion between one section of Princes led by the Maharaja of Bikaner and another led by the Maharaja of Patiala.

Later on they arrived at a settlement between themselves and a common plan was evolved whereby the Princes were to settle the terms of entry of all of them, it was also proposed that unless a proportion of over fifty per cent of the States joined no State should join singly. As regards their representation in the two federal Chambers, it was found that however widely the legislatures were enlarged seats could not be provided for each one of the 600 odd Indian States. Out of these 600 more than half are what may be called small or minor States. And the larger States like Hyderabad, Mysore and Bikaner naturally objected to be placed on the same level as the smaller States which are no more than mere principalities. Then an attempt was made to give representation to the smaller States on the group system. At the meeting of the Chamber of Princes held in Delhi in March 1933 the Princes made a serious attempt to bring about a settlement of this question. Efforts were also made since then to settle this thorny problem, but the general opinion seemed to be in favour of leaving it to be settled by Government.

Apart from this the main anxiety of the States in joining the federation is that their integrity and their rights under treaties should not in any way be affected except to the extent that they voluntarily agree to accede in which are called treaties of accession. They fear that once they enter democratic chambers they will not be able to hold on against the onslaught of democracy and by a process of wearing down they will soon be reduced to the position of mere principalities. It was with this object that the late Jam Saheb of Nawanagar, as the Chancellor of the Chamber of Princes, proposed several safeguards for guaranteeing the position of the States against the danger foreshadowed above.

Almost all the Princes of India or their representatives had gathered at Delhi about the time of the publication of the White Paper. The scheme was generally supported by the Princes, subject to the incorporation in the Constitution Act of safeguards for the maintenance of internal autonomy, an equitable distribution of seats among the States in the federal legislature and a satisfactory settlement of the claims made by the Princes under the vague term "paramountcy". The White Paper laid down, among other things, that the allocation of seats for States in the legislature should be dependent (in the case of the upper chamber) on the rank and importance of the States as indicated by dynastic salutes, etc., and (in the case of the lower chamber) on population. On this question the White Paper left room for adjustments among the Princes themselves. In the absence of a settlement, it became clear, in Award by the British Government might become necessary.

Interest next shifted to London where the Joint Parliamentary Committee took evidence on the Reforms proposals. Representatives of the Standing Committee of the Princes Chamber demanded statutory provisions rendering it permissible for States to enter the proposed Federation collectively through a confederation,

measures to secure weightage for the representation of States in the Legislature in the event of a bare minimum federating at the outset, prohibition of discussion of the domestic affairs of States in the Federal Legislature, co-ordinate powers for the Upper House in voting supplies at joint sessions, freedom for States from direct taxation and inviolability of treaties. These conditions were considered essential, but entry into federation would depend on the final completed picture of the Indian constitution.

Some difference of opinion was noticeable amongst the representatives of the Indian States on the question of confederation. Mr Maqbool Mahmood said that 40 out of 109 Chamber members favoured confederation, which was not opposed to federation but was intended to be a collective organisation to keep the States together for exchange of views with British Indian representatives. Sir Akbar Hydari opposed this idea. He said Hyderabad would not join a confederation, but did not object to the option of joining being available to other States.

In the course of the proceedings of the Committee the Princes representatives declared that the States would not take more than a year after the Constitution Act and the Treaty of Accession had been finally formulated to come to a final decision on federation, provided the door was left open for federating at a later stage.

On the question of finance, Sir Akbar Hydari announced that if the Budget of British India, central and provincial, was balanced at the time the Constitution Act was passed, the States would immediately enter the federation on the basis of the position then existing.

A certain amount of confusion was created by the claim made by Sir Manubhai Mehta on behalf of the Chamber of Princes, for the right to secede if the Princes felt it necessary to do so after their experience over a period of time. He conceded the same right to Burma. Sir Akbar Hydari, however, opposed this. The proposal was stoutly opposed by the Secretary of State also. Sir Samuel Hoare said in the course of his evidence before the Committee that when the Crown placed the power acquired from the Indian States at the disposal of the Federation for the functioning of the Federation, it became part of the Federation and the Crown could not return it to the States nor could the States demand or resume it later on.

Yet another sensation was caused by the insistence of Mr Churchill and his followers that the Princes were being jockeyed into accepting Federation so that the White Paper scheme could be pushed through. This, however, was unequivocally repudiated by the representatives of the Princes themselves and by the Secretary of State.

Meanwhile the States peoples met in conference and urged that it should be made obligatory on the Princes to join the Federation and demanded that the States peoples must be represented on the Federal Legislature.

The National Liberal Federation

The definite breach between the moderate and extremist elements in the Congress at its special session in Bombay in August 1918 (vide 1919 edition of this book) witnessed the birth of the National Liberal Federation which has since then, been the platform of Indian moderate leaders. It held its first session in Bombay in 1918. Sir Surendranath Banerjee presiding. The Federation adopted for its creed the old Congress formula which was set aside by the Nagpur Congress.

Those who had held the Federation in high esteem for its moderation, sobriety and balanced judgment suffered a rude shock in 1927 when the Liberal body and its leading lights proved the saying, 'If you scratch a Liberal you will find an extremist'. Liberal leaders bade goodbye to their avowed principle of co-operation with the Government if when they expressed themselves in favour of a boycott of the Royal Commission on Indian Reforms on the ground that there was no Indian on it.

Thenceforward Liberal politics became negative and barren, and leaders who had enjoyed a reputation for sane thinking came to be regarded as the 'wild men' of the Congress. Boycott was the breath of their nostrils, although they were declaring now and then that the door was still open for Government to 'make a gesture of co-operation'. Their monotonous stagnation was, however slightly relieved by the efforts at constitution making undertaken at the instance of the Congress. Liberals heartily co-operated in this endeavour and attended the All Parties Conference summoned by the Congress in the middle of the year. Sir Tej Bahadur Sapru, President of the Liberal Federation, consented to serve on the Committee appointed by the Conference to draft a constitution for India. After months of toil the Committee produced a constitution according to which India would enjoy the status of the Dominions of the British Empire. The report also offered a solution for the communal dissensions and a formula to govern the relations between British India and the Indian States. It was in a sense, a Liberal document, for the Liberals were the only group of men in the country who unanimously and unreservedly accepted the entire report.

The plea for the grant of Dominion Status was very strongly urged by Sir Chimanlal Setalvad, President of the 1928 Session of the Liberal Federation, who said that the trusteeship of England was coming to an end. The British had to deal with a people who had attained majority and were demanding from the so called trustees their property and also asking for accounts. The British must change their mentality and must realise the feeling that was growing in the country, which if not guided properly, would swallow everything. This firm attitude on the part of the Liberals whom Government were not slow to recognise as their allies served to hasten the advent of a new era. The changing

political situation was exhaustively reviewed at personal interviews between the British Cabinet and the India Office and Lord Irwin, who had come home on four months leave. As a result of these conversations the Viceroy made soon after his return from leave what is now famous as the Proclamation of October 31, 1920. (For details see Congress section).

By the time the Liberals foregathered at Madras things had moved pretty rapidly in Congress circles. Congress a talk of severance of British connection led Liberals to break away from the extremists. Once again the Liberals expressed disapproval of Congress methods. Sir Phiroze Sethna, who presided denounced the movement which aimed at the severance of India's connection with the Empire and opposed the campaign of civil disobedience.

The Liberal Party's leaders had a busy time of it throughout the year 1920. They had on the one hand to set their faces against the civil disobedience movement conducted by the Congress and on the other, to prepare a strong case for Indian Reforms such as would withstand the attack of diehards in Britain.

The annual session of the Liberal Federation during Christmas had to be postponed owing to the absence of many of its leaders in London and owing to the fact that the discussions at the Round Table Conference had not concluded by then.

The session met in July 1931 under the presidency of Mr C Y Chintamani.

The principal resolutions passed by the Federation demanded that the Federal Executive should be made responsible to the popular Chamber of the Legislature, the residuary powers must be vested with the Central Government, a definite scheme for the Indianisation of the Defence Forces including officers and men within a specified time should be immediately propounded and provision of facilities for the training of Indians for service in all arms of defence, so as to complete the process within a specified period should be in charge of a Minister responsible to the Legislature, the future Government of India must have complete freedom to adopt measures for the promotion of basic trades and industries, no special powers must be given to the Governor General and the Governors except in extreme cases of emergency, separate electorates should be done away with and there should be joint electorates with reservation of seats for minorities, there should be no statutory fixation of a majority and the position of all important minorities should be equitably considered in the determination of weightage.

This firm attitude was further stiffened when details of the Round Table Conference scheme began to be worked out both in England and in India in the latter half of 1931.

Early in the year 1932 the personnel of the three committees foreshadowed by the second R T C was announced. The Indian States Committee, presided over by the Rt Hon T C C Davidson, dealt with the Indian States only and considered the problems arising out of the federation of the Indian States with British India. Similarly the Percy Committee concerned itself with the financial aspects arising out of the All India Federation from the Indian point of view. Neither of these committees included any Indian public men from British India. The most important of the three committees was the Franchise Committee presided over by Lord Lothian. It contained a good number of Indians. The recommendations of the Franchise Committee were practically endorsed by the third R T C. But the White Paper containing the proposals of His Majesty's Government for the constitutional reform of India has not embodied these recommendations in important particulars.

While the committees were drafting their reports Sir Samuel Hoare, the Secretary of State for India, took up the question of constituting the third Round Table Conference. In doing so the British Cabinet at first adopted a plan and procedure radically different from that of the two previous conferences. The proceedings were to be in camera; the agenda was to be fixed; the number of delegates was considerably cut down; in short, the conference method, according to political opinion in India, was materially whittled down.

This led to angry protests from the progressive Indian section of the R I C. They held meetings and leading members like Sir J B Sapru threatened non co operation. The Council of the Liberal Party met simultaneously and announced the conditions on which it would co operate with the Cabinet in the matter of the R T C and called upon the Government to make a public announcement accepting these conditions.

In response to these protests and appeals a slightly more liberal scheme was announced. The Liberal Party complained that the Cabinet had paid no heed to the conditions published by it and the party as such refused to co operate with the R I C. Sir J B Sapru and the progressive section which worked with him, however, accepted the modified plan and consented to work in the third R T C.

When the results of the third R T C were known in India they led to protests on the part of the Liberals and other politically minded sections. A manifesto signed by about one hundred leading and influential public men was issued pointing out many defects in the scheme of the Secretary of State.

When the White Paper embodying the proposals of His Majesty's Government were actually issued the Liberals began to complain even more bitterly and affirmed that the White Paper proposals were to some extent even more retrograde than the announcement at the Round Table Conference. Even communal parties were not satisfied with it.

The main point of criticism was that the White Paper was based on entire mistrust of the capacity of Indians to bear the burden of respon-

sible government. Consequently, it was argued, it was overweighed with so many checks and safeguards that, in their desire to keep the control of affairs in the hands of Parliament and the Secretary of State by means of the special powers of the Governor-General and the Governors, real responsibility was almost blotted out both in the federal centre and the provinces. Similarly, some Liberal leaders contended, the reservations in the Central Government in respect of defence, foreign relations etc., and important deductions from the control of the legislatures, had placed a bar sinister against the evolution towards Dominion Status. As regards finance, nearly eighty per cent of the budget was earmarked, so that the financial responsibility of the legislature was circumscribed to one fifth portion of the budget. "Questions like tariffs, currency, exchange and the development of indigenous trade and commerce" some complained, will practically be controlled from Whitehall through the agency of the Governor-General in the exercise of his special powers. The scheme does not lay down any time limit for bringing to an end the period of transition, nor does it provide any constituent powers for the democratic growth of the constitution without reference to Parliament.

A session of the Liberal Federation was held at Calcutta during the Easter of 1933. Dewan Bahadur Ramchandra Rao, a member of the first two R T Cs, presided. Leading Liberals like the Rt Hon V S Sistri took prominent part in the deliberations. The Federation, after two days full discussion in committee, passed a comprehensive resolution pointing out what in its opinion are defects in the White Paper scheme and suggesting modifications therein so as to render it acceptable to moderate sections in the country. The Liberal Party as such was not represented in the body of Indians chosen to be associated with the Joint Select Committee, nor did the Party as such send any witnesses to give evidence before the Joint Committee.

About this time fresh attempts were made to induce the Liberal Party to co operate with the Joint Parliamentary Committee, but they remained firm and kept themselves aloof as a party. But Sir Phiroze Sethna and Mr N M Joshi (both Liberals) were invited to go to England, and went in their individual capacity. Free to take their own action, Liberals organised opinion in the country and issued a manifesto signed by members of all parties pointing out the defects in the White Paper. The press and the platform were also utilised to carry on propaganda against the White Paper.

As the Joint Committee began to take evidence they suspended their activities for a while, watching how the Government's proposals were re-shaping themselves under pressure of cross-examination in the committee.

During the interval they held the Annual Session of the Liberal Federation at Madras in Christmas week when the resolutions of the Calcutta Session were reiterated. The most important part of the proceedings of the Federation at Madras was a resolution authorising its President, Mr J N Biju, to take the initiative on behalf of the Liberal Federation as soon as the report of the Joint

Committee was published and convened a conference of all progressive parties in the country to discuss the recommendations made by the committee. At the time of writing, the report is being drafted.

From the Indian point of view, the evidence led before the Joint Parliamentary Committee was incomplete in that the two leading political organisations of the land, namely the Congress and the Liberal Federation, did not co-operate. Opinion in India steadily hardened as evidence of a reactionary character continued to be tendered to the Committee. (See Round Table Conference Chapter)

As the Congress had practically ceased to function during this period, Liberals and other progressive sections in the country thought it advisable to meet to discuss the White Paper

and suggest modifications in it. The Liberals took the lead in this matter and circulars were sent to various leaders. The response, however, was not encouraging and it did not seem easy to reconcile the various elements in the country and bring them to agree to a common basis. For example, if the Communal Award was to be discussed the Muslims would not join, and if it was to be excluded, the Hindu Mahasabhas would stay aloof. Similarly, Congressmen did not look with favour on the scheme when they found that the proposed conference would have no sanction to enforce its demands. Partly in consideration of these circumstances and partly because it was realised that the White Paper had been sufficiently criticised, the idea of calling a conference was deferred until after the publication of the report of the Joint Select Committee.

MUSLIM ORGANISATIONS

The awakening of political consciousness among Muslims in India is a separate entity dated back to 1906 when the All India Muslim League was formed. It worked up its influence steadily, so that when it was hardly ten years old it became sufficiently important to enter into an agreement—known since as the Lucknow Pact—with the powerful Indian National Congress. The League fell on evil days in the thirties, and differences set in among its members. When enhanced powers were conferred on India by the Montford Reforms, Muslims became more and more politically minded and began to aspire for a greater share in the control of the administration of the country and in Government posts. This feeling gave rise to the formation of a new body whose promoters concentrated on aggressive presentation of Muslim demands. With the prospect of still further constitutional reforms at the end of the first ten years of the working of the Montford Scheme, these leaders strove to organise Muslims into an influential body which would safeguard their interests more effectively than the League. The result was the All-Parties Muslim Conference in 1928. Muslim attention had already been diverted towards the end of the War by the Khilafat agitation carried on by the Khilafat Committee. The growing weakness of the League and the dissensions within it were at once the cause and effect of the birth of rivals which while it contributed to wider political education of the community, diffused the energy of its leaders and divided their loyalty among different organisations. The constitutional discussions in the Round Table Conference and later served to check the spread of this fissiparous tendency. The publication of the Communal Award and its inclusion in the White Paper Scheme of Reforms in 1933 helped this process of consolidation. At the time of writing, thanks to the efforts of the Aga Khan and other leaders, the League has been unified, the various Muslim organisations brought into closer and co-ordinated activity and encouraging progress made in the task of bringing in the Conference also into the Muslim Unity Scheme.

The Moslem League—The All India Muslim League came into being in 1906 out of the universal desire among leading Musslimans of that time for an effective organisation to

protect their communal interests. With a view to secure separate Muslim representation in the legislative bodies of the land under the Minto Morley scheme of constitutional reform then under discussion, Indian Moslems who had been hitherto keeping aloof from politics organised the League. Its original objects were the promotion of loyalty to British Government, the protection of political and other rights of Musslimans and to place their needs and aspirations before Government in temperate language and to promote intercommunal unity without prejudice to the other objects of the League. Moslem opinions slowly advanced and in 1913 the securing of self-government within the British Empire was included in the objects. The League was a powerful and influential body in 1916 and 1917, and what is known as the Lucknow pact of communal representation arrived at between the League and the Congress in 1916 was bodily incorporated in the Government of India Act, 1919. The birth of the Khilafat Committee however overshadowed the League which from 1919 had almost disappeared till April 1923 when it met for a brief period under the presidency of the late Mr. Bhurgin, but had to be adjourned for want of a quorum. In 1924 however some influential Moslem leaders like Mr. M. A. Jinnah thought that the Khilafat Committee's functions having ceased in view of the Turkish deposition of the Khalifa decided to revive the League which met under Mr. Jinnah's chairmanship at Lahore in May 1924. The Lahore session practically did nothing else save to reorganise the scattered branches of the League.

The 1925 and 1926 sessions of the League were noted for their virility. The Muslims displayed greater allegiance to their communal organisation in proportion to the loyalty of the Hindus to their *Mahar Sabha*. Suspicion and distrust, enmity and open hostility began to prevail between the two communities. Proportionate distribution of the loaves and fishes of office, on the political side, and the questions of the Hindus playing music before mosques and the Mohammedans killing cows, on the religious side, constituted the points of difference which frequently led to intercommunal riots. The situation was regarded with grave concern by serious minded leaders, some of whom, under

the leadership of Mr Jinnah, met at Delhi early in 1927 and offered, in the name of the Muslims, to surrender their right to communal electorates, provided, among other things, Sind was constituted into a separate province and reforms were introduced in the N-W Frontier Provinces and Baluchistan. This offer, however, was acceptable neither to the Hindus nor the Muslim masses who insisted on the continuance of the separate electorates. A schism set in the Muslim League which was accentuated by the announcement of the personnel of the Statutory Commission on Indian Reforms. The non inclusion of Indians on the Commission was construed by a certain section of the Muslims as an insult to India, and those who held this view decided to boycott the Commission. The majority of the community, however, thought otherwise. The gulf between the two sections widened during 1928. The 1929 Session served to strengthen the new organisation, the All Parties Muslim Conference. Refusing to walk into Mr Jinnah's parlour the supporters of the All Parties Muslim Conference were engrossed in their constructive work. They were joined by the members of the Shafi section of the League who had come to Delhi in the hope of making up their differences with the Jinnah group but who were sadly disillusioned. The two organisations have since been functioning independently, the Conference daily gaining strength and the League losing its grip on the community and suffering from internal differences. The League's domestic quarrels were, however, settled early in 1934 and at the time of writing attempts are being made for bringing the League and the Conference together.

The All Parties Muslim Conference —

The publication of the Nehru Report hastened the advent of the All-Parties Muslim Conference. The Conference was called in 1928 to counteract the effect of the Nehru Report and to formulate the Muslim community's demand in regard to the future constitution of India. Notwithstanding the refusal of the Jinnah Leaguers to participate in the proceedings, the Conference was attended by almost all the prominent Muslim leaders of the country, including a very large number of the members of the Councils and the Assembly. There was ready agreement on the unsuitability of the Nehru Report, but difference of opinion prevailed with regard to the goal of India. Persons like Mr Mahomed Ali stood for complete independence and, of course, for the boycott of the Commission while Sir Mahomed Shafi, who had a very large following, favoured co-operation with the Commission in the framing of a constitution within the Empire. Things wore a gloomy aspect for a while, but thanks mainly to the tact of the President, the Aga Khan, a compromise was reached whereby the mention either of "Dominion status" or "Independence" was omitted from the resolution put before the Conference which demanded merely "a federal constitution." Similarly it referred neither to the Simon Commission nor to the Nehru Report, but insisted on compliance with the demands of the Conference by any agency which devised a constitution. The Conference has since held the field as the most important and authoritative exponent of the community's views, despite repeated challenges by the League, etc.

Muslim Activities in 1931-33 — Unlike the Congress, the Muslim political organisations used to be known for their lethargy except during the week when their annual meetings are held. During the past three or four years, however, they displayed unusual activity. This is no doubt due to the summoning of the Round Table Conference to settle the basis of India's future constitution. Unattracted by the negative but spectacular programme of the Congress, the majority of the Muslims appreciated the danger of allowing their case to go by default at the momentous London Conference and took a lively interest in its work before and during its proceedings. Repeated attempts were made throughout 1930, particularly during the latter half, to bring Indian Muslim leaders together for ventilating the community's demands. The credit for this useful activity goes to the All-India Muslim Conference, the Muslim League remaining practically inert. In July the Executive Board of the All-Parties Muslim Conference met at Simla and formulated the community's demands. The Simon Report was examined and rejected, but the Round Table Conference was welcomed. Shortly after the opening of the Round Table Conference, the All-Parties Muslim Conference met at Lucknow and reiterated what have come to be known as Mr Jinnah's Fourteen Points, which demand a series of provisions calculated to protect the community against possible Hindu aggression. The more important of the Fourteen Points are federal constitution with residuary powers vested in the provinces, uniform provincial autonomy, effective representation for minorities in all provincial legislatures, one third representation for Muslims in the Central Legislature, guarantee against a disturbance of the Muslim majority in the Punjab, Bengal, the N-W Frontier Province, full religious liberty, no prejudicial communal legislation except under certain conditions, share for Muslims in the cabinet and the services, reforms for the N-W F P and Baluchistan, separation of Sind, protection of Muslim culture, and insistence on separate electorates unless the above points are conceded. The Hindus seemed in no mood to concede their demands, the Congress persisted in its civil disobedience campaign, paying little heed to the Muslim desire to settle the communal problem before fighting the Government, the Hindu delegates in London did not allay Muslim fears—these factors produced among the Muslims a frame of mind which found expression in the presidential address delivered by Sir Muhammad Iqbal, at Allahabad towards the far end of the year. Typifying the prevalent Muslim exasperation, Sir Muhammad demanded the formation of a Muslim State in the North-West, comprising Sind, the Punjab and the N-W Frontier Province, within the State of India. Such a state would afford a permanent solution of the communal problem, he said and averred that the cultural development of the community demanded it.

In the year 1931, communal agreement became a necessity in view of the important deliberations in London concerning the future constitution of India. The ratification of the Delhi Pact by the Congress and its resolve to participate in the London Conference brought the communal issue to the forefront. The first Round Table Conference had ended with an assurance by the Premier that no legislation

would be undertaken without satisfaction being afforded to the minorities. And if the Congress wished to have its scheme accepted by the Conference it was up to it to carry the Muslims with it. Faced with the task of making constructive proposals, the Congress seriously set about making provisions satisfactory to the Muslims and other minorities.

The leaders of the community, who had not much faith in promises made by the Hindu ridden Congress, refused to be satisfied with anything less than statutory guarantees for the protection of their rights and privileges. Their suspicions were increased by the manner in which a few members of their community, styling themselves as Nationalist Muslims, were playing into the hands of the Congress leaders. The task of carrying on negotiations was thus rendered more complex. A series of conversations was held in the summer between Mr Gandhi the Muslim leaders and the Nationalist Muslims, but no useful scheme emerged.

The Muslim leaders on the other hand strove to consolidate the position of the community and to present a united front at the Round Table Conference. A special session of the All India Muslim Conference reiterated the Muslims Fourteen Points and affirmed that the continuance of the majority community in its present state of mind would produce civil war. It accused the British authorities of spineless handling of the position and warned them that their pandering to the Congress would ruin the country.

The Conference was so strong on the question of guarantees for the continued enjoyment of their rights that a proposal was seriously discussed that if their demands were not conceded the Muslim delegates should refuse to co-operate with the Round Table Conference and oppose Dominion Status or responsibility at the centre. The discussion, however, was adjourned *sine die*.

As time passed on it became increasingly evident to the Muslim leaders that Mr Gandhi was trying to play off the Nationalist Muslims against the whole community, and Mr Shaukat Ali gave a stern warning to Mr Gandhi and the Congress.

Shortly after the All India Conference had held its special session, the Nationalist Muslims met in conference and passed a resolution which favoured the introduction of a federal constitution, residuary powers vesting in the federating units. Representation in the Legislatures was to be on the basis of (a) universal adult franchise, (b) joint electorates, (c) reservation of seats in the Federal and Provincial Legislatures on a population basis for minorities less than 30 per cent. The resolution added that Nationalist Muslims were prepared to negotiate for a settlement of the outstanding questions on the basis of joint electorates and adult franchise.

In pursuance of this offer, negotiations were opened between the two wings of the Muslim community, but it came to nothing.

The latter half of 1932 and the early months of 1933 were marked by countless attempts not only to consolidate the ranks of the Muslims but also as between the Muslims and the other communities. Real activity started only with the publication of the Communal Award. The Council of the All India Muslim League met in September and resolved that although the Award fell short of the minimum demands of the Muslims it represented a method which removed a great obstacle from the path of constitutional advance. This represented the bulk of Muslim opinion.

The unity move took various shapes and engaged the attention of numerous conferences. Paradoxically enough it led to unity and discord at the same time. While it brought together those Muslims who wished to consolidate what they had achieved for the community in recent years by securing for it the seal of approval of the other communities and carry these latter with them through the remainder of the constitutional discussions, it alienated the leftist Muslims who would be party to no compromise with Hindus and others who, they argued, had denied them their due until the British Government came to their rescue. The latter section was led by Sir M. Iqbal, Dr S. Ahmed, Maulvi Sahib Dinwoodi and others.

The first of these important conversations were held in Lucknow in October when Muslims of almost all shades of opinion except the Iqbal school accepted thirteen of the famous Fourteen Points. As for the 14th, namely, the nature of the electorate, the leaders gathered agreed to start negotiations on the basis of what is known as the Mahomed Ali Formula which makes it obligatory upon a successful candidate to the councils to secure ten per cent minimum of the recorded votes of his own community. For this method it was claimed that it was better than either joint or separate electorate as "it would enable the right type of Hindu and Muslim to be returned." This was definitely opposed by the Muslim Conference group led by Sir M. Iqbal.

Then followed what were called Unity Conferences in November and December—the latter to ratify the conclusions reached at the former. In connection with both of these, progressive Muslims, including Maulana Shaukat Ali, but excluding the Iqbal group, held their own communal meetings and drew up a formula embodying the maximum they were prepared to concede for the sake of unity and peace, and their formula was later discussed at the regular Unity Conference. The two sessions of the Unity Conference dragged on for a number of days and after numerous deadlocks reached in understanding on most of the points in dispute such as Sind, Baluchistan, Punjab, residuary powers etc. But when the efforts had all but succeeded the conversations ended abruptly owing to the uncompromising attitude adopted by the Bengal Hindus who refused to yield even an inch.

Thus after months of negotiations the position was as it had been before the publication of the Communal Award. Indeed, it became slightly

worse to the extent that it definitely isolated the Iqbal group and the Punjab Muslims. This unfortunate development found expression in the way in which a provisional settlement arrived at on the Punjab communal question with the aid of Sir Fazl-i-Hussain was rejected by the Punjab Muslims in the first few months of 1933.

Muslim Activities in 1933-34—Notwithstanding these reverses, a renewed attempt was made early in 1933 to amalgamate the Conference and the League. These met with instant failure. Far from securing the end, they resulted in creating a split in the ranks of the League. When a proposal was made in the Council of the League in March to amalgamate the League with the Conference, the question was raised whether the Council could take a decision binding on the parent body. The motion was ruled out by the acting President, Mian Abdul Aziz, who was physically thrown out of the chair for giving that ruling. The meeting ended amidst scenes of confusion and violence. The differences were soon composed, but on the understanding that no controversial subjects like amalgamation with the Conference would be brought up. A manifesto signed by leaders of various provinces urged the rehabilitation of the League into the "Parliament of Indian Muslims" and a cable was sent to Mr. M. A. Jinnah, who was then in England, to return to India, assume charge of the League and restore it to its original status and influence. Despite this, the peace in the League proved to be short-lived. In May the trouble reappeared, and the officers of the League were suspended by the acting President for "improperly" convening a meeting of the Council. At a meeting of the Council in the end of that month, the scenes of March were repeated and the President was again pushed out of the chair. These incidents served to emphasise the breach that had occurred in the ranks of the followers of the League. The gulf became wider towards the end of the year when two sessions of the League were held, one in Calcutta and the other in Delhi. The dispute continued right up to February 1934 when, thanks to the good offices of the Aga Khan, the League was reunited under the presidency of Mr. Jinnah.

The publication of the White Paper set the various Muslim organisations busy. The executive board of the All India Muslim Conference met together and asked for the largest measure of fiscal, administrative and legislative autonomy for the provinces, demanded the curtailment of the Governor's powers and urged statutory safeguards for the protection of the personal law, education and culture of Muslims. Similarly, the League session at Calcutta expressed dissatisfaction with such of the provisions of the Communal Award and the White Paper as fell short of the Muslim demands in respect of their representation in the legislatures. The Delhi Session of the League wanted the Governor's powers to be clearly defined in the constitution and opposed all efforts to change the Communal Award.

Meanwhile Mr. Shaukat Ali returned to India from his American tour and forthwith got into touch with Pandit Madan Mohan Malaviya to

bring about inter-communal unity. The move, which did not progress very smoothly owing to the stiff attitude adopted by the leaders of the Hindu Mahasabha, had to be abandoned when the attention of the Hindus was diverted by Mr. Gandhi's fast. The refusal of the Congress in July to give up civil disobedience made it impossible for Muslims to continue to negotiate with Hindus who were wedded to an unconstitutional body.

Mr. Shaukat Ali instead took active interest in a new move to bring about complete unity among all Muslim organisations, so that the community could act as one when the reforms were introduced. The unity talks continued throughout the year and even in the first two months of 1934. The plan met with considerable opposition from the All India Muslim Conference and the Hafiz Hidayat Hussain section of the League, who felt that the object of the promoters of unity was to compromise on the electorate question. In spite of the non-co operation of these two bodies, the unity conference met at Lucknow in December under the presidency of the Raja of Salempur. Representatives of the other League, the Khilafat Committee, the Nationalist Muslim Party and the Jamiat-ul-Ulema took part.

The President denied the charge that it was an electioneering stunt and affirmed that the object was to secure the political and social amelioration of the community and to weld the various sections into one body working for their common good. The idea was to form a unity board consisting of representatives of the various organisations each of which would continue to function as a separate entity.

The President criticised the White Paper, but added that they had to accept the Communal Award in the absence of a better and more satisfactory substitute based on inter-communal agreement.

The unity board suggested was formed shortly after, but by way of practical work, not much has been done up to the time of writing.

The Aga Khan had meanwhile arrived in India and his presence acted like a tonic on the League. After a series of conferences between the leaders of the two sections, it was decided that the officers of both sides should resign and submit to the Aga Khan's arbitration. This was done and His Highness suggested that the League should be reunited and Mr. Jinnah requested to become its President. Mr. Jinnah agreed and the League emerged once again a harmonious body after years of strife. The Aga Khan's efforts to bring together the League and the Conference did not meet with success.

The Khilafat Committee—The origin of the Central Khilafat Committee is to be found in the closing days of the Great War when Turkey was feeling the consequences of defeat at the hands of the Allies. Mussulmans in India naturally sympathised with their co-religionists in Turkey and carried on ceaseless agitation against the division of Turkey into small bits among the Allies. Being anxious for the safety of the holy places of Islam and opposed

to the dismemberment of Turkey, they felt a considerable amount of bitterness against the British, who as the principal Allied Power, were dictating their own terms to vanquished Turkey. Formed thus for the protection of the Khilafat as a temporal as well as a religious Power, the Central Khilafat Committee was exploited to good purpose by the leaders of the Congress movement in India which had found in "the Punjab Wrongs" an effective means of propaganda against the British rule in India. Commonness of ill feeling towards the British brought the two closer. While it gave impetus to the Congress by securing for the Congress support from the Muslims, it also received support from the Congress in agitating for the "righting of the Khilafat wrongs". Thus the two worked side by side, mutually helpful.

Madras Khilafat Conference under the chairmanship of Mr Shaukat Ali unfolded a programme of progressive non-co operation and appealed to the country for support. The Khilafat Committee, with the huge funds at its disposal, was able to draft in a large number of delegates to the Calcutta special Congress in 1920 when the non co operation programme was accepted by that body, with two more objects added to it, namely the obtaining of Swaraj and the righting of the Punjab wrongs.

With the deposition of the Khilafat by the Kemalists and the revival of the Moslem League, the Committee's activities have been considerably restricted. Recently the Committee sent a deputation to Nejd to intervene and settle the dispute between the warring elements. Though the Government of India were willing to permit a deputation of the Committee to Turkey, the Turkish Government did not quite like the idea which had consequently to be abandoned.

The 1925 session of the Khilafat Conference was rendered lively by Mr Hasrat Mohani whose speech strongly criticising Sultan Ibn Saud was subsequently expunged. The resolution adopted by the conference under the presidency of Mr Abul Kalam Azad condemned the British policy in Iraq and the League's decision on Mosul and declared that if the Turks went to war on the latter issue the Conference would deem it its duty to help them.

For some years since then one heard little about the public activities of the Committee, although many of its domestic quarrels engaged the attention of the public. Funds, however, continued to be collected for the "activities" of the Committee which could hardly be specified. Things dragged on until the latter half of 1927, when the leaders found the Khilafat organisation a useful tool for purposes of their propaganda for boycotting the Statutory Commission on Indian Reforms. This was successfully achieved by the extremist wire pullers at Madras in 1927.

In the next year, however, a peculiar situation arose as the result of the publication of the Nehru Report. This document raised many controversial issues. Its two main recommendations, namely, Dominion Status for India and joint electorates with temporary reservation of seats, were not acceptable to the Khilafatists,

whose ideal was an extreme type of nationalism coupled with rank communalism. They wanted complete independence for India but insisted on the continuance of separate electorates. This state of mind found expression at the annual session of the Khilafat Conference which met in 1928 at Calcutta.

In the years following the publication of the Nehru Report, the Khilafat Committee reappeared on the Indian political stage and vigorously strove to repudiate that document. This it succeeded in doing, as the Muslims with one voice condemned it as pro Hindu. As months passed by, it became increasingly clear to the Muslims that the Congress was getting more and more Hindu ridden and that they could not expect due protection for their communal rights from the Congress or its leaders. The appreciation of this situation by the Muslim masses was mainly due to the activities of the Khilafat Committee and its leaders. Thus when the Khilafat Conference met in Lahore in 1929 it was resolved that the Khilafatists should participate in the Round Table Conference convened by the British Government to settle the future constitution of India, although in the same breath the Conference declared itself in favour of independence. This latter, however, was but a wordy sop to the extremists, as the main body of Khilafat workers started in 1929 and continued since then a regular fight against the Congress.

In the past few years, in addition to the effective prevention of the Muslims from joining the Congress unless the communal question was satisfactorily settled, the Khilafat Committee did a considerable work abroad. The Ali brothers, who were the soul of the Khilafat movement, worked for the Arab federation and the Tanzim of Mussulmans all over the world. During this time, the movement lost Maulana Mahomed Ali, who passed away in London in the midst of his strenuous work for his country and his co religionists, and the work of carrying on the increasing activities of the Khilafat Committee fell on the shoulders of his brother Maulana Shaukat Ali. The invitation to bury the departed leader in the mosque of Omar in Jerusalem brought the Indian Muslims closer to the Arabs. This fellow feeling among Muslims in different parts of the globe found expression in a huge conference held in Jerusalem which served to create a new spirit of internationalism among the followers of Islam—one of the cherished objects of the Indian Khilafatists.

The advent of the Nazi regime in Germany and its anti-semitic policy turned the Jews out of that country. This led to an increasing concentration of Jews in Palestine. Jews all over the world were stirred by the plight of Jewish exiles from Germany and this gave vigour to the movement for a national home for Jews in Palestine. Muslims there were adversely affected by this and involved the sympathy of their co religionists in India who readily responded. The Khilafat organisation took a leading part in this activity. A Palestine Delegation paid a visit to India and Indian Muslims, whose extra territorial patriotism was

aroused, called meetings and sent deputation to the authorities. Arrangements were also made for sending a deputation to London.

As the representatives of Indian Muslims in the London Conference, the Ali brothers effectively safeguarded their interests. In addition, Maulana Shaukat Ali repeatedly impressed on British audiences and leaders the advisability of keeping the Indian Muslims contented as it would please Muslims in other parts of the world.

The history of the Khilafat movement followed a peculiar course on the North-Western Frontier Province of India. There the Khilafat organisation conducted a ceaseless agitation over the local grievances of the Muslim population and the disaffection towards the Government thus created was promptly exploited by the Congress for furthering its own lawless activities. Being sturdy people accustomed to fighting, they often found it impossible to observe the Congress creed of non-violence. A number of clashes ensued, with attendant casualties.

The fourteenth session of the Khilafat Conference met at Ajmer in September 1932 under the presidentship of Sheikh Abdul Majid. He condemned the caste system among Hindus which, according to him, was responsible for the demand of separate electorates by the

depressed classes. As for separate electorates for Mussalmans, he held there was no choice left to them except to ask for such a safeguard. He reiterated the fourteen points, but was none the less in favour of a compromise if it was possible on honourable lines. He suggested the voluntary dissolution of all the existing political organisations of Mussalmans and the formation of one comprehensive body. At the open session of the conference a resolution was passed characterising the communal award as absolutely unsatisfactory in that only three out of the fourteen points had been conceded by it.

The All India Khilafat Committee met at Lucknow in December 1933, when the Palestine Conference was also held. The President, Mr. Murtaza Bahadur, protested against the Balfour Declaration which "converted the home of Arabs for centuries, which was sacred to the Muslim world, into a national home for Jews." A resolution was passed deciding to reorganise Khilafat Committees in all parts of India, so that they might "safeguard the sacred lands from occupation and invasion by non-Muslims." The Conference also resolved to send a deputation to the Viceroy, to organise a party of Indian Muslims to visit Palestine and later to place their case before British Ministers.

The Round Table Conference.

The first session of the Indian Round Table Conference, which was held in London during the autumn of 1930 and January 1931, was remarkable for the spirit of unity. At the first sitting Sir Tej Bahadur Sapru, on behalf of the British Indian Delegates, extended an invitation to the Princes and States to consider entering an All Indian Federation, which would establish a federal government and a federal executive, embracing both the British Provinces and the Indian States in one whole, associated for common purposes, but each securing control of their own affairs, the Provinces autonomous, and the States sovereign and autonomous. This, though it struck an unexpected note at the Conference, was no more than the fruition of an old idea. The authors of the Montagu-Chelmsford Report, which laid the foundations of the great Reform Act of 1919, visualised the steady progression of the federal idea, but the notable passage in which they indicated this purpose slipped into the background in the confused and difficult days that followed. Sir John Simon and his colleagues, who conducted the parliamentary inquiry into the working of this Act, declared their adhesion to the federal idea, and proposed as a contribution to it the establishment of a Council of Greater India, in which the representatives of British India and the Indian States should sit for the discussion of matters of common concern. The Govern-

ment of India, in a lengthy despatch on the Simon Report, also adhered to the federal principle, though they expressed the view that it was a distant ideal. Many Indian publicists had declared the faith that without the adoption of the federal principle no substantial growth of the Indian constitution was practicable. But although federalism had always been in the background, none had possessed sufficient courage to bring it into the forefront until Sir Tej Bahadur Sapru invited the Princes to consider it. The invitation was promptly accepted. His Highness the Maharaja of Bikaner, speaking for the general body, at once declared that subject to the incorporation in the statute of certain defined conditions—they were in substance the guaranteeing of the sovereignty and treaty rights of the States, and the protection of their essential interests—the Princes and States would favourably consider any such proposal, later he avowed his belief that, provided the completed picture was satisfactory, seventy-five per cent of the States would join a federation.

Real Progress—By common consent, this patriotic offer by the Princes and States transformed the situation. The goal of the British-Indian publicist was the establishment of responsible government in India, with "safeguards" during the transitional period, and ultimate

Domunion status for that responsible government. With the assurance of the participation of the Princes and States, bringing a powerful element of stability into the governing machine, Lord Reading, speaking for the Liberals, accepted the crucial proposition of a responsible government at the centre. Later, the spokesmen for the Conservative Party took up the same position, though perhaps in more cautious terms. On this guiding principle substantial progress was made in sketching the outline of a federal constitution. True, the Minorities Question, that is to say the adequate protection of the minorities in the Indian population, especially the great Moslem community, remained unsettled and Moslem acceptance of responsibility at the centre was conditional on the solution of this very thorny issue. But the measure of progress was so satisfactory before the Conference separated in January 1931, that speaking for His Majesty's Government the Prime Minister, Mr Ramsay MacDonald, was in a position to make the following announcement:

'The view of His Majesty's Government is that responsibility for the Government of India should be placed upon Legislatures, Central and Provincial, with such provisions as may be necessary to guarantee, during a period of transition, the observance of certain obligations and to meet other special circumstances, and also with such guarantees as are required by minorities to protect their political liberties and

'In such statutory safeguards as may be made for meeting the needs of the transitional period, it will be a primary concern of His Majesty's Government to see that the reserved powers are so framed and exercised as not to prejudice the advance of India through the new constitution to full responsibility for her own Government.'

Participation of Congress—But representative as it was in all other respects, the first session of the Congress embraced no representative of The Indian National Congress. For various reasons that stood aloof. During the interval between the rising of the first session, and the convening of the second, negotiations were carried on with a view to the Congress suspending the Civil Disobedience Movement on which it had embarked and joining in the task of framing the new constitution. These discussions ended in what was called 'The Gandhi Iram Pact', which embodied a settlement covering the whole field in dispute, and an undertaking on the part of the Congress to participate in the Round Table discussions, and to suspend civil disobedience. After many hesitations Mr Gandhi, who was appointed sole representative of the Congress, sailed for England, and others who had remained aloof from the earlier proceedings joined the Delegation. At first Mr Gandhi's contribution to the work of the Conference was helpful. Though he was perhaps more anxious to justify Congress, and to maintain its right to speak for India, and to accept the principle of federation, and the task of making it easy for the Princes and States to enter therein. But afterwards his contribution was less helpful. Specially was this the case in relation to the Minorities.

The Communal Award

The decision of the British Government in regard to the representation of the various communities in British India in the Provincial Legislatures, on which the communities themselves were unable to agree, was published in August 1932. The award followed a thorough and comprehensive inquiry into the proportions and position of the various communities in the Provinces. The decision was not given on strictly arithmetical lines, thus the Sikhs with 32 seats out of a total of 175 in the Punjab Legislature secured a larger representation than they would on a population basis. The table of distribution avoided the term Hindu. Its place was taken by the heading 'General', but it was clear that those under that heading would be overwhelmingly, if not entirely, Hindu, for Muslims, Sikhs, Indian Christians (with some exceptions) Anglo Indians and Europeans would vote in separate communal constituencies. The seats were distributed as follows: General, 705; Depressed Classes, 61; Backward races, 20; Sikhs, 35; Muslim, 480; Indian Christians, 21; Anglo-Indians, 12; Landholders, 35; Commerce and Industry, 54; 38.

With regard to the Depressed Classes, it was explained that they would vote in the general constituencies, but in order to ensure adequate representation to them special seats were also allotted. It was contemplated that this arrangement, which gave the members of these classes two votes, should be limited to 20 years. As came to the decision to limit the electorate for each special woman's seat to voters from one community.

Accompanying the award was an explanatory statement by the Prime Minister in the course of which he observed as follows:

'Our duty was plain. As the failure of the communities to agree amongst themselves had placed an almost insurmountable obstacle in the way of any constitutional development, it was incumbent upon the Government to take action. In accordance, therefore, with the pledges that I gave on behalf of the Government at the Round Table Conference in response to the repeated appeals from representative Indians and in accordance with the statement approved by the Government are to day publishing a scheme of representation in the provincial assemblies that they intend, in due course, to lay before you. In the meanwhile the agree upon a better plan.

"We should be only too glad if at any stage before the proposed Bill becomes law the communities can reach an agreement amongst themselves. But guided by the past experience the Government are convinced that no further negotiations will be of any advantage and they can be no party to them. They will, however, be ready and willing to substitute for their scheme any scheme whether in respect of any one or more of the Governors Provinces or in respect of the whole of British India that is generally agreed to and accepted by all the parties affected."

THE THIRD CONFERENCE

Following the publication of the communal award, the third session of the Round Table Conference was summoned in London. The Congress did not participate in it. Most of its leaders including Mr. Gandhi were in prison for reviving the civil disobedience movement. Profiting by past experience Government refused to consider the question of releasing them unless and until the lawless movement which they had initiated was unconditionally called off. The Conference was nevertheless attended by representatives of all other parties in India and lasted from 17th November 1932 to 24th December 1932. Its achievements were summed up by Sir Samuel Hoare the Secretary of State for India, in his concluding speech at the final plenary session. He said:

I would venture to sum up the results in two sentences. I would say, first of all, we have clearly delimited the field upon which the future constitution is going to be built. In a much more detailed manner than in the last two years we have delimited the spheres of activity of the various parts of the constitution. Secondly, and I regard this result as much more important than even that important first result, we have I believe created an *esprit de corps* amongst all of us that is determined to see the building that is going to be reared upon the field that we marked out both completely in itself and completed at the earliest possible date. Lord Chancellor, I said that we had marked out the ground. Let me explain by a few examples what I mean by that assertion. I take the various parts of the constitutional structure in order:

I begin with the part that Indian India, the India of the States, is to play in the Federation. There we have made it quite clear that there is no risk in any respect to the Treaties or to the obligations into which they and we have entered. I hope that I have made it quite clear that all questions governed by that general term 'paramountcy' do not enter into the Federal scheme at all. I think also I may say that we made some progress in the enquiry over which Lord Irwin presided one day this week into the methods by which the States will accede to the Federation.

Let me say in passing—for I think it may help our future discussions both here and in India—that we have always regarded an effective Federation as meaning the accession of a reasonable number of States and, as at present advised, we should regard something like not less than half the States seats and not less than half the population as the kind of definition that we have in mind.

Next I come to the Federation and the Units. Here, again, I think we have made great progress in delimiting the field between the Centre on the one hand and the Provincial and States Units on the other. We have been very carefully through the lists of Federal and non-Federal activities, and we have got much nearer to agreement than we have ever reached before.

Next there is the very difficult question of Federal finance, one of the most vital questions in the whole field of Federal activities. Unfortunately we were discussing that question at a time of great difficulty. We have been discussing it at a time when no Government in the world has sufficient money for its needs. But I think I can claim that there again we have made some substantial progress. I fully admit that there are differences still to be recognised and to be reconciled. I do not think it could be otherwise in any question of this kind.

As regards the size of the Chamber, I had hoped that we should have reached a greater measure of agreement than we have found possible during these last weeks. It has been made clear that there still are differences to be reconciled, not only differences between British India and the States, but differences between the bigger States and the smaller States, differences even between some members of the Chamber of Princes and other members of the Chamber of Princes.

Then there was the question of the representation of the communities in the Centre particularly of the Muslim Community. There I think I can say definitely—I think I have said it indirectly very often before—that the Government consider that the Muslim Community should have a representation of 33½ per cent of the British Indian seats in the Federal Chambers. So far as Indian India is concerned, that must be a matter for arrangement between the communities affected and the India of the Princes. But so far as the British Government has any part in the question, we will at any time give our good offices to making it as easy as possible for an arrangement between those parties in regard to future allocation of seats. There again I venture to say that definitely to day, because I am anxious that that factor in the problem should not in any way impede the future progress in elaborating the further stages of the Constitution.

Now, with all these Federal questions, I can see that there is a grave anxiety in the minds of many members of the Conference—and I am sympathetic with that anxiety—lest the various complications of which I have just given you certain instances should take too long to settle, and that the Federation itself will drift into the dim distance and will cease to be a reality in practical politics.

Feeling that anxiety, Sir Tej Bahadur Sapru asked last night that a definite date should be placed in the Bill at which time the Federation should come into being. He qualified his request—and qualified it, no doubt, quite rightly—with the reservation that if the conditions were not fulfilled, Parliament must have some means at its disposal for postponing the date of the Federation.

Now I agree with him that the last thing in the world that we wish to see the Federation drift back into being simply an idea and not an

integral part of the Indian Constitution. But I think I ought to say, that I do find a difficulty in agreeing—if indeed this is the time to agree or disagree—to anything in the nature of a definite date in the provision of the Act. The difficulties that are in my mind are twofold. I am not quite sure—and here I am speaking very candidly in the presence of representatives of the States—what reaction something that might appear to be rather in the nature of an ultimatum might have on the Indian States themselves.

Again, I find this difficulty, I feel the machinery of the Constitution will be of an extremely complicated nature, and I think that Parliament, if it were confronted with a definite date, might demand a longer interval and more cautious provisions than it would require if there were no fixed date. After all the machinery for bringing the Act into operation is going to be of a very complicated nature. I have always contemplated that some such method as a Parliamentary Resolution of both Houses would be adopted for bringing the Federation into operation, and that that method would be adopted at the earliest possible opportunity.

What I can say to Sir Tej Bahadur Sapru is that we are going to do our utmost to remove every obstacle in the way of Federation and to remove it at the earliest possible date. Let me also say to him, we do not intend to inaugurate any kind of provincial autonomy under conditions which might leave Federation to follow on as a mere contingency in the future.

Lastly, let me say a word upon another side of this part of our discussions. For the last two years we have discussed the question of certain new Provinces. We have discussed the question of Sind from the very opening of our deliberations two years ago. Last year we discussed in detail for the first time the question of Orissa. Since those discussions we have had expert enquiries into both questions.

Basing our views upon the Reports of those enquiries, basing our views still more on what appears to be a very general agreement both in India and in Great Britain, we have come definitely to the conclusion that Sind and Orissa should both be separate Provinces. No doubt there will be details of machinery to settle and some of them of a rather complicated kind.

Lord Chancellor, I have now dealt with the more prominent of the features of our discussions that emerge upon the more directly constitutional side of the Federation itself. Let me now come to the other series of problems that in some cases affect more directly Great Britain and in other cases affect certain communities and certain interests in India itself. I mean by this all that chapter of questions that by a rough and ready phrase we have described as 'safeguards'. Lord Chancellor, let me say at the outset of my observations that I regard the safeguards not as a stone wall that blocks a road, but as the hedges on each side that no good driver ever touches but that prevent people on a dark night falling into the ditch. They are not intended to obstruct a real transfer of

responsible power. They are not intended to impede the day to day administration of any Indian Minister. They are rather ultimate controls that we hope will never need to be exercised for the greater reassurance of the world outside both in India and in Great Britain. Let me take the two instances that have been most prominent in this part of our discussions. Let me take the most difficult question of all the difficulty of a transfer of financial responsibility. There, Lord Chancellor, I am not disclosing any secret when I say that during the last twelve months the British Government have fully accepted the fact that there can be no effective transfer of responsibility unless there is an effective transfer of financial responsibility. We have fully accepted that fact and we have done our best in the very difficult circumstances that have faced us to reconcile the legitimate demand of every Indian politician for financial control with the legitimate demand of every one who is interested in finance, not only for stability, but for a situation in which there would not even be a suggestion that stability could be questioned. For in the field of finance it is not only the fact itself that matters, but it is what people say about that fact.

Now our difficulties have arisen from two sources. In the first place, there is the fact that, as things are at present, a large part of the Indian revenue has to be devoted to meeting the obligations that have grown up during these years of partnership between India and Great Britain. That in itself—and I am sure no one would question the justice of the point of view—makes people here, investors who invested their money in Indian securities, men and women whose families are interested in the meeting of the old obligations, extremely nervous of any change. Secondly, there is the fact that we are passing through, I suppose the most difficult financial crisis that has faced Asia and Europe for many generations. In the case of India there is a peculiar difficulty, namely, that a large body of short-term loans raised under the name of the Secretary of State in London, fall due for payment in the next six years. That means that, if the Federation is to start with a good name, if its solvency is to be assured, some means must be found for meeting these short-term maturities without impairing the future of Indian credit.

Lord Chancellor, those are the hard facts that have faced the Government during the last twelve months. Those are the hard facts that we discussed in great detail and with great goodwill at the Financial Safeguards Committee. The British Government, the British delegation, and sections of the Conference, came to the view that in those conditions certain safeguards were absolutely necessary if we were to keep the confidence of the world outside and if we were to make it possible in the future for a Federal Government to raise money upon reasonable terms. That, gentlemen, in a few sentences is the history of the safeguards. That, in particular, is the history of the safeguards that has loomed very largely in our discussions this year, the history of the Reserve Bank. We feel that, if confidence is to be maintained in the financial stability and credit of India, a Reserve Bank must be in effective operation.

I come now to the question of Defence, a question that again has loomed very large, and rightly so, in our discussions. We had first of all, as you all remember, a debate in full Conference—a debate in which I think I may claim that there was complete unanimity that Defence, until it can be transferred to Indian hands, remains the sole responsibility of the Crown. It was, however, clear to me in the course of the discussions, and afterwards in an informal talk that I was able to have with certain leading members of the Conference, that there were differences of opinion as to the methods by which Indian political opinion might be consulted in the administration of the Reserved subject.

Let me take in order two or three of the principal points to which Sir Tej Bahadur attached importance in these discussions. First of all, there was the question of the discussion of the Defence Budget. We were all agreed that it should be non-votable. In the nature of things, I think that was inevitable, but we are quite prepared to take the necessary steps to see that the Budget should be put, as he and his friends wish, in blocks, not in a perfunctory manner simply to be discussed as a whole.

Next he was anxious about the employment of Indian troops outside India without the approval of the Federal Government or the Federal Legislature. There I think he and his friends were agreed that where it was actually a case of the defence of India, in which no Imperial considerations entered at all, the defence was, of the Frontier of India itself, there the responsibility—the sole responsibility—of the Crown should remain undiluted. More difficult questions arose in cases when Indian troops might be employed for purposes other than direct Indian purposes. Now in those cases I can say to him I would prefer not to be precise as to the exact method. I myself feel sure that a means will be found to leave the decision in some manner to the Federal Ministry and to the Federal Legislature.

Next, there was an important series of questions connected, first of all, with the Indianisation of the Army, that is to say, the greatest participation of Indians themselves in the defence of India, and, secondly, as to the bringing into consultation as much as possible the two sides of the Government. He and his friends were anxious that statutory provision should be made in some way for both these objects. The Lord Chancellor and the British Government still take the view, and we feel we must maintain it,

that statutory provision is too inflexible, if you define statutory provision in the narrow sense. But I think I can meet him and his friends effectively by including directions to the Governor General in both these respects in the Instructions.

Now he said, quite rightly, that his attitude towards that proposal would depend very much upon the Instructions themselves. As regards the Instructions we intend first of all to allude to them in the body of the Statute. And then we intend to ask Parliament to agree to a novel procedure, but a procedure that I believe is well fitted to the conditions with which we are faced, namely, that before certain of them are submitted to His Majesty, both Houses of Parliament should have the opportunity of expressing their views upon them. The effect of that would be to give the Instructions a Statutory framework by the allusion in the Act itself, and to give them a Parliamentary framework by the Resolutions that would be passed approving of them before they are submitted for His Majesty's approval.

As to the other proposals that Sir Tej made in the matter of Defence, we still feel that the Governor General should have an unfettered power in selecting his Defence Minister, but we will make it quite clear in the Instructions that we wish the two sides of the Government to work in the close co-operation, and that we do definitely contemplate—I would ask his attention to this point, and we will make an allusion to it in the Instructions—that before the Estimates are actually put to the Federal Assembly the Finance Minister and that doubt the Prime Minister should have an opportunity of seeing them and giving to the Governor-General their views upon them.

We have been planning a scheme and a very complicated scheme, but we have also been trying to create a spirit of co-operation. Several members of the Conference were very kind to me last night when they said that I had played some small part in helping to foster this spirit of co-operation during the last few weeks. I thank them for what they said, but I say that their kind words were really undeserved. The spirit of co-operation is due to much greater events and to much greater people than any with whom I am connected or any that I could ever hope to emulate.

Immediately after the conclusion of the Conference, His Majesty's Government, in pursuance of their pledges, proceeded to draft the White Paper incorporating their tentative conclusions.

The White Paper.

The proposals of His Majesty's Government for Indian constitutional reform which are now under examination by a joint Committee of Parliament were issued in March this year in the form of a White Paper. Though the intention is to speed up the process of legislation, no date is suggested in the White Paper for the actual change in the Indian system of Government. The Royal Proclamation inaugurating the new system shall not be issued until both Houses of Parliament have agreed on the date.

By the proposal put forward the Provinces are given out in any and to a Federal Government is conceded to the Government over the whole field of administration allotted to the Federation except in regard to certain reserved subjects. The Federation will consist of the autonomous provinces of British India and the Indian States and the Indian States will be united by the Princes surrendering their present sovereignty but retaining internal autonomy in respect of rights not so surrendered, subject to any other consideration than the existing suzerainty of the Crown.

If a condition of the setting up the Federation - (1) That rulers of States representing not less than half the aggregate population of the Indian States and entitled to not less than half the States seats in the Upper House of the Legislature shall have executed the necessary Instrument of Accession and (2) That a League Bond free from political influence, will have been set up and already successfully operating. These conditions fulfilled, it will be the duty of both Houses of Parliament to move the Crown by an address to issue a Royal Proclamation inaugurating the Federation.

Services of any rights provided for them by the Constitution and the safeguarding of their legitimate interests (5) The protection of the rights of any Indian State (6) The prevention of commercial discrimination (7) Any matter which affects the administration of the reserved departments.

In fulfilment of these special responsibilities the Governor General is empowered to act either without or contrary to the advice of his Ministers and can himself press a Governor-General's Act to secure any of these purposes and is given all powers to secure the necessary finance.

Apart from the reserved departments and these special responsibilities there is another category of prerogatives or powers, the majority of them such as are usually associated with the head of a Constitutional State, the others to meet the particular conditions of India - (a) The power to summon, prorogue, and dissolve the Legislature (b) The power to assent to or withhold assent from Bills or to reserve them for His Majesty's pleasure (c) The power to summon joint sessions of the two Houses of the Legislature in cases of urgency.

(d) The grant of previous sanction to the introduction of legislation - (1) Repealing, amending, or repugnant to any Act of Parliament extending to British India or any Governor-General's or Governors Act or Ordinance, (2) affecting any department reserved to the control of the Governor-General, (3) affecting coinage and currency of the Reserve Bank, (4) affecting religion, (5) affecting the procedure relating criminal proceedings against European British subjects.

Federal Legislature

The Federal Legislature resembles the existing Central Legislature in composition and will consist of two Chambers—the Upper Chamber or Council of State consisting of 260 members, 100 appointed by the Princes, 150 elected by members of the Provincial Legislatures of British India, and 10 nominated members, the other, the Lower Chamber or House of Assembly, consisting of 375 members, of whom 125 will be appointed by the Princes and the others elected directly according to the seats allocated to each Province and to the several communities and interests in each Province. In the present British India Legislature Chambers only a proportion of the members is elected.

The Legislature will be debarred from passing laws of a discriminatory character. In particular it will be unable to pass laws subjecting any British subject or company domiciled in the United Kingdom to any disability or discrimination in the exercise of certain specified rights, if a British Indian subject or company would not be subjected in the United Kingdom to a disability or discrimination of a similar character.

The Provinces

In the Provinces certain subjects (Reserved subjects) have hitherto been administered by the Governor-in-Council and others (Transferred subjects) by the Governor and Ministers in the Legislature. But Governors, like the Governor-General, are given special responsibilities, with corresponding powers to discharge these responsibilities, confined in scope of course to the Province.

The Provincial Legislatures are enlarged and the allocation of seats and method of election are in accordance with the provisions of His Majesty's Government's Communal Award of August 4 last. The present nominated members and official bloc disappear in favour of wholly elected Legislatures, so far as the Lower Houses in the Provinces are concerned. In Bengal, the United Provinces, and Bihar the Legislatures will be bicameral with a small proportion of nominated members (not officials) in the Upper Chambers, in the other eight Provinces unicameral.

For the franchise for the Lower Chamber of the Federal Legislature the proposals lay down qualifications the effects of which should be to enfranchise between 2 and 3 per cent of the population of British India, and similar but lower qualifications for the franchise for the Provincial Legislatures should produce a

Provincial electorate in the neighbourhood of 14 per cent of the total population of British India or some 27 per cent of the adult population. Women can vote for and will have seats reserved for them in both the Federal Assembly and Provincial Legislatures.

Public Services

The proposals confirm existing rights of the Public Services. The Secretary of State will continue to make appointments to the Indian Civil Service, the Indian Police, and the Ecclesiastical Department, and the conditions of service of persons so appointed will be regulated by rules made by the Secretary of State. He will determine the number and character of such appointments and may prohibit the filling of any post declared to be a reserved post otherwise than by the appointment of a person appointed by the Crown, the Secretary of State or the Secretary of State in Council.

At the expiry of five years from the commencement of the Constitution Act a statutory inquiry will be held into the question of future recruitment for the Indian Civil Service, Indian Police, and the Medical and Railway services, and the Governments in India will be associated with the inquiry. The decision on the results of the inquiry will rest with His Majesty's Government and will be subject to the approval of both Houses of Parliament. Pending the decision on this inquiry, the present ratio of British to Indian recruitment will remain unaltered. The administration of the Railways is by a Statutory Railway Board so composed as not to be subject to political interference.

The Secretary of State's Council for India is abolished and its place is taken by not less than three and not more than six advisers to be consulted as the Secretary of State may think fit, except that their concurrence is required in relation to certain service matters.

A Federal Court with both an Original and Appellate jurisdiction in cases raising constitutional issues such as the spheres of the Federal, Provincial and States authorities is set up and power is given to establish a Supreme Court to act as a Court of Appeal in British India.

It has not been possible to include Burma in the proposals, as Burma has delayed a decision as to whether it wishes to be separated from India in accordance with the constitution outlined for it at the close of the Burma Round Table Conference or to remain a Province of India.

JOINT PARLIAMENTARY COMMITTEE.

After the publication of the White Paper, steps were taken to appoint members of the House of Commons and the House of Lords to a Joint Select Committee to consider the proposals and report to Parliament. The White Paper was to be regarded as embodying the Government's scheme, but the Committee had full liberty to produce any plan it thought proper. There was more than one debate in the two Houses of Parliament for the nomination of members to the Joint Committee, and ultimately the three leading parties in Parliament, Conservatives, Liberals and Labour, agreed to appoint their representatives. While the Labour Party showed some unwillingness in the beginning to appoint its nominees, it yielded eventually, but the Right Wing section of the Conservatives in both Houses, represented by Mr Winston Churchill and Lord Lloyd, refused to co-operate and kept themselves free to deal with the report of the Joint Committee in any manner they thought proper.

Simultaneously steps were taken to select representatives from British India and Indian States to co-operate in the Joint Committee's inquiry. Some difficulty was experienced in fixing the status of these nominees while under the British constitution Parliament could not appoint any outsiders to its Committee, the Indians would not accept any position except that of practical equality with members of Parliament serving on the Committee. The difficulty was solved by styling the Indian representatives as assessors, and giving them liberty to cross-examine witnesses and hold discussions with the members of the Committee, but not to join in the report or sign it.

The question of the procedure to be adopted by the Committee and the nature and quantum of evidence to be led before it presented an initial obstacle, in view of the wide scope of the inquiry and the voluminous nature of the material to be dealt with, but this was soon tided over. Another real trouble in the initial stages of the Joint Committee's work was the disinclination of almost all political parties in India to co-operate with the Committee or lead evidence before it on their behalf. This objection too disappeared after a time, and the Committee eventually examined a large number of Indian witnesses representing various schools of thought. The inquiry lasted about six months, and all interests, including the Indian Service, voiced their cases. Even die-hard Conservatives like Mr Churchill appeared before the committee, but the principal witness was Sir Samuel Hoare himself, although he was a member of the Committee. His evidence occupied more than a fortnight and covered the entire ground of the White Paper, in the course of which he submitted several memoranda in order to elucidate doubts and fill gaps. By common consent Sir Samuel Hoare ably maintained his ground against the representatives of die-hard Conservatives on the Committee, but Indian political opinion held that on several points he had to yield, Indians looked with disfavour on his explanations in respect of

domination and India's right to retaliate against Dominions which discriminated against her, which were construed as weakening India's constitutional position.

Immediately on the publication of the White Paper, Indian politicians, even of the moderate variety, expressed themselves in strong terms against some of its provisions.

On the other hand, it had the support of a number of communal parties, including the Muslims.

While the Joint Committee inquiry was in progress, Sir Tej Bahadur Sapru, one of the leading British Indian delegates, was unable to continue in London longer than July and placed on record suggestions for the improvement of the Reform proposals with a view to rendering them acceptable to Indian opinion. Similarly His Highness the Aga Khan, the leader of the British Indian delegation, and his British Indian colleagues submitted a joint memorandum towards the close of the sittings of the Joint Committee in the hope that their suggestions would be taken into consideration at the time of the drafting of the report.

Both these memoranda cover a wide ground and demand a number of radical changes in the White Paper scheme. Sir Tej Bahadur said that "no constitution, which fails to satisfy certain essentials, will meet with the needs of the situation in India. Those essentials are responsibility at the centre and provincial autonomy with certain safeguards for the period of transition, reserved subjects, army, air, foreign and ecclesiastical departments to be under the control of the Governor General for the period of transition which should not be long or indefinite, adoption of a definite policy in respect of reserved departments facilitating their transfer to the legislatures within the shortest period compatible with safety of the country and efficiency of administration, and a definite declaration in the statute of the constitutional position of India within the British Commonwealth of Nations."

The other memorandum is specially notable because it was signed by all the Indian Delegates, majority and minority representatives. It made it clear the modifications suggested would not affect the basic structure of the scheme. It was intended to ensure that the reserved powers were so framed and exercised as not to prejudice the advance of India to full responsibility and to secure that the period of transition was not indefinitely extended. It urged that the preamble to the Constitution Act should contain a definite statement that the "natural issue of India's constitutional progress is the attainment of Dominion Status." Indian public opinion, it said, had been profoundly disturbed by the attempts made during the last two or three years to qualify the repeated pledges given by responsible ministers on behalf of His Majesty's Government. "Following the precedent of some of the Dominion constitutions, a definite date after the passing of the Act should be fixed for the inauguration of the Federation."

The memorandum also demanded greater control over defence, finance and the services. The signatories urged that the Army Counsellor should be a non-official Indian, there should be a definite programme of Indianisation, the cost of defence should be substantially reduced and the Indian Army should not be employed outside the country except for Indian defence.

On the subject of financial safeguards they did not object to the appointment of an adviser to the Governor-General for a limited period, provided he did not interfere in the day-to-day administration and that he should advise the Governor-General only when he considered the financial stability or credit of the Federation to be in danger. Legislation in respect of currency, coinage and the Reserve Bank must not be subject to the previous consent of the Governor-General.

They demanded statutory recognition of India's freedom to regulate her fiscal policy without reservations or qualifications and, while they had no objection to a general declaration about British subjects holding public offices or practising any profession or trade, they stoutly opposed any provision which would make it impossible for India to discriminate against the subjects of the Dominions and Colonies which imposed disabilities on Indian subjects. The proposal to continue the recruitment to the Services by the Secretary of State was also objected to and the demand was put forth that the Central Services should be recruited by the Federal Government and the Provincial Services by the Provincial Governments.

Mr N M Joshi submitted a separate memorandum making suggestions for health insurance for workers and invalid and old age pensions and seeking to improve the provisions for labour legislation and representation.

THE FUTURE OF BURMA

Throughout the discussions on the Indian Reforms proposals the question of Burma's future occupied a secondary position, as nothing could be definitely settled until the Burmans themselves decided whether they would join the proposed Indian Federation and share the lot of the Indian provinces, or become a separate unitary entity with constitutional advance analogous to that conferred on India, subject to similar safeguards. It was thought that a new election to the Burma Legislative Council would give the electorates an opportunity to express their views on this question. The election was held and resulted in a majority for the antiseparationists. However, the new Council was called to give a straight answer to the question of Federation on the lines of Majesty's Government's proposals. A large number of resolutions were tabled, but not one of them provided any indication of the people's mind. Even the antiseparationists did not vote for Federation but expressed a desire to cast their lot with India as an experimental measure, reserving the right to withdraw from the Federation at a later date. Several adjournments were used to enable the parties to arrive at a compromise resolution and, after the Governor refused further to prolong the sittings, the Council had lasted several days, the special session of the Council was prorogued.

Burma herself gave an inconclusive verdict, the British Government could not remain idle, the population would have been unfair both to India and to Burma. Therefore, a few months later (in 1931) Sir Samuel Hoare presented to the Parliamentary Committee a memorandum embodying Government's proposals for future constitution of Burma if it were decided to separate Burma from India. However, it made it clear that if the Joint Committee decided that Burma should be included in the Indian Federation, the proposals of the White Paper (subject to consequential adjustments) would apply to Burma in the same way as they would apply to any other province

of India. As the Burma Council had refused to choose separation on the basis of the constitution outlined by the Premier, he suggested that the Committee should invite some Burma representatives for consultation to assist in determining which of the two courses would be in the best interests of Burma. Assuming that Burma was to be separated, he outlined a scheme of constitutional advance under which executive authority in a unitary Burma would vest in the Governor, who would also be the Commander-in-Chief. He would himself direct and control the administration of finance, external affairs, ecclesiastical affairs, monetary policy, currency, coinage, and matters connected with scheduled areas. Other subjects would be administered by Ministers elected by, and responsible to, the Council. The Legislature would be bicameral.

Shortly after the submission of this memorandum Sir Samuel expressed the opinion that an overwhelming body of Burmans had supported separation from India. He added that Burma could not be granted the right of secession, as it would be a bad precedent and would be fatal to Federation.

In pursuance of the policy of giving Burmans the fullest opportunity to determine the future form of their constitution, the Joint Parliamentary Committee decided in November to invite twelve representative Burmans for consultation. A prolonged discussion took place in December, in which both sides freely ventilated their respective points of view. "The result of the elections to the special session of the Burma Council should be construed as a vote against separation", "There are no two opinions in Burma, all are for separation, the so-called federationists are also for separation—but after a time." These were the conflicting views expressed in London. On behalf of His Majesty's Government, Sir Samuel made it plain that Britain had no axe to grind and that she was actuated solely by the desire to do the best for Burma. There the matter rests pending the report of the Parliamentary Joint Select Committee on the White Paper.

The Indian Legislature.

The Annual Budget Session of the Indian Legislature opened in New Delhi with a meeting of the Legislative Assembly on Wednesday, 1st February, when His Excellency the Viceroy delivered an inaugural address. In the course of this, His Excellency specially referred to the declining civil disobedience movement and, having re-emphasised the determination of his Government not to relax the measures in force against it so long as circumstances made them necessary, referred to the recently passed Legislation on the subject and said "The Acts which are now on the Statute Book will not be permanent, but will be in force during the difficult period of transition from the present to the new constitution, when there is a special risk of certain elements in the population trying to substitute the methods of revolution for those of constitutional and orderly progress. I trust that when the period for which these Acts will remain in force has expired those in whose hands the power will then rest will find themselves able safely to discard them and that the threat which direct action presents to the evolution of constitutional self-government will have been destroyed. I regret that there is not as yet any open sign of a recognition on the part of the leaders of the civil disobedience movement of the harm their policy has caused to the country. Though their efforts to revive enthusiasm meet with little success, they still remain pledged to that policy. I am firmly convinced, however, that the march of events will gradually carry them further and further away from the sterile methods of negation and obstruction, and that in spite of themselves they will find that they are caught up in the living forces of constructive politics which the near approach of the new constitution is releasing on all sides."

His Excellency also specially referred to the terrorist movement in Bengal, and there had been some improvement in the situation and declared that the despatch of troops to the Province had had a reassuring effect upon the local population.

His Excellency expressed great satisfaction at the general good will exhibited at the recent Third Round Table Conference and said "My last and strongest impression is of work well done and of another milestone behind us on the road of constitutional advance. There is no tarrying on that road. Steadily and surely the march to federation proceeds." The Viceroy showed with what interest he had met individual Indian Delegates since their return from the Conference to India.

His Excellency forecast the introduction of a Bill to establish an Indian Reserve Bank and expressed keen satisfaction at the success of the Finance Department loan conversion programme whereby 50 crores of loan money was dealt with in a manner which must be a record in the financial history of the Government. His Excellency noted how at each step in the fulfilment of the programme the level of Government's credit had been raised, so that whereas in June 1932, Government borrowed on a basis of somewhat over 5½ per cent the latest transactions showed Government's credit established very nearly at a 4 per cent level.

In conclusion the Viceroy, after emphasising the need for further economy in expenditure said "I think it is true to say that there is now in the world and particularly in India, a growing sense that in present world conditions some sort of economic planning is necessary for every country. My Government are very much alive to this feeling and here again we have our eyes on the future and desire to prepare for the new Government measures for providing more accurate statistical information, and for evolving a co-ordinated economic policy." His Excellency went on specially to refer to investigations lately undertaken to deal with the competition of road and rail transport.

Among the mass of official legislation of a minor character with which the session started was a Bill to prohibit the pledging of labour of children. This came up on report by Select Committee and was passed into law. A motion to refer to Select Committee a Bill to amend the Auxiliary Force Act was passed. The aim of the Bill was to provide for a certain amount of reorganisation and was primarily an economic measure. One of the most important measures brought forward during the session was a Bill to establish a Medical Council in India and to provide for the maintenance of a British Indian Medical Register. This, after prolonged discussion on various days, was referred to a Select Committee on 12th April. An official Bill to regulate the payment of wages to people employed in industry, a measure brought forward to deal with the undue withholding of wages and the late payment of wages, by employers, was ordered for circulation to elicit public opinion. Other bills dealt with taxation of incomes, with the possession of wireless, receiving apparatus and the extension of the current protection of Indian wheat, cotton, textiles and salt.

A Bill of great importance introduced on 8th April was one to provide for the imposition of additional Customs Duties on imported goods for the purpose of safeguarding industries in British India. The provision of the Bill provided for a duration of the measure until 31st March 1935. The reason for its introduction was the need to deal with the influx of Japanese manufactured goods at destructive competitive rates. The Commerce Member informed the House that Government had taken steps to denounce the Indo-Japanese Trade Convention. The denunciation required six months' notice and would, therefore, not come into operation until 10th October. The new Bill armed Government with extensive powers for the imposition of safeguarding duties by executive order as soon as the denunciation took effect. The Bill was after considerable discussion, passed by the House without a division on 12th April.

Another important measure brought before the House by Government was a Bill to supplement the provisions of measures passed by the Bengal, Bihar & Orissa, Bombay, United Provinces and Punjab Governments and Legislatures to take the place of numerous Ordinances for the suppression of civil disobedience. The Government of India's bill was instituted for the enactment of certain provisions beyond the

competence of Provincial Governments and their Legislatures. The Central measures were the subject of prolonged debate, but the general purport of the speeches was to show a preponderating body of opinion heartily in support of Government's determination to eradicate civil disobedience. The Bill was finally passed by 48 votes to 30, non-official Muhammadans being almost unanimously on the side of Government, while several other non-official Indian members voted in the official Lobby and other elected members who did not feel themselves able to vote for the measure nevertheless assisted its passage by absenting themselves from the division, the total number of votes cast, being only 78 out of a House of 146.

Railway Budget

The Annual Railway Budget was presented to the Assembly on 16th February by the Hon'ble Sir Joseph Bore, Member for Railways. He pointed out that it was unavoidable that the Railway estimates should reflect the prevalent severe economic depression but said there were legitimate grounds to hope that the country had at last touched rock bottom and that though recovery might yet be delayed the worst had in all probability already been passed. On that assumption the estimates were framed. The loss in the working of commercial lines in the year 1931-32 finally turned out to be 7½ crores or a quarter of a crore less than anticipated. The loss on strategic lines was, as usual, just under two crores. The total loss of 9½ crores, was met to the extent of just under 5 crores by the withdrawal of the uninvested balance of the Reserve Fund and for the remaining 4½ crores, an equivalent amount was taken as a temporary loan from the Depreciation Fund.

The Budget for 1932-33 anticipated a total deficit on commercial lines of 7½ crores. The Estimates when the Budget was presented in February, 1933, indicated that the results would be 1½ crores worse, the deterioration being due to a further fall in earnings. Traffic receipts were estimated to be 2½ crores below the budget figures. The loss on lines including 2 crores on strategic lines was thus expected to be 9½ crores, a figure only slightly above the loss of 1931-32. This sum was withdrawn from the Depreciation Fund. The balance to the credit of that fund, which was nearly 15 crores at the beginning of 1932-33 and under the current budget received an increase of about 8 crores (owing to the nett accretion due to the surplus of payments into the fund over withdrawals from it to meet current expenses and renewals) so that at the end of the year it would stand at 13½ crores.

For the year 1933-34 the estimates showed total traffic receipts 88½ crores and total working expenses, including depreciation, just over 63 crores, nett traffic receipts thus being nearly 25½ crores. It was calculated that nett revenue would be insufficient to meet interest charges by about 7½ crores. This deficit, of which 5½ crores was in respect of commercial lines, had again to be found by a temporary loan from the Depreciation Fund, which would thus at the end of 1933-34 stand at 13½ crores. In anticipation that the lowest depths of the economic depression had already been touched, the estimates provided for an increase of 1½ crores, or a little under 2 per cent on the current year's figures.

It was announced in connection with the Railway Budget that the 10 per cent cut in pay previously introduced throughout the Government services would not fully be continued during 1933-34, but could not, on the other hand, completely be restored, and that for the coming year there would again be a cut of 5 per cent in pay and that in conjunction with that official salaries would for the first time come under the 25 per cent income tax surcharge already introduced as an emergency measure on all income except non-official ones.

General Budget

The Finance Member, the Hon'ble Sir George Schuster, presented the Annual General Budget on the evening of 28th February. At the outset he said that the emergency plan introduced in September, 1931, to produce budgetary equilibrium for the years 1931-32 and 1932-33 had worked successfully. The results for 1931-32 turned out nearly 2 crores better than was anticipated in March, 1932, and the accounts for the year showed a deficit, after providing nearly seven crores for the Reduction of Debt, of 11½ crores. For the year 1932-33 the latest revised estimates indicated an almost exact realisation of the budget forecast of a surplus of 215 lakhs, the actual surplus being placed at 217 lakhs, again after providing nearly seven crores for the Reduction of Debt. The results for the two years combined thus showed a total budgetary deficit of 9.58 crores, against which may be set a total provision of 13.73 crores for reduction and avoidance of debt. The Finance Member expressed satisfaction that in the two years from the beginning of April 1931 to the end of March 1933, "which I think may fairly be described as the two most difficult years for finance that the world in times of peace has ever known, India would not only have paid her way but have provided a nett sum of 415 lakhs for reduction of debt."

Reviewing the trade returns of the concluding year, the Finance Member said they seemed to reinforce one of the points which he emphasised in his speech a year previously, namely, the extreme power of resistance, in spite of diminished purchasing power, which India showed in maintaining the consumption of certain standard necessities of the masses. As regarded the three articles which were taken as necessities for the masses, the quantities for consumption were in all cases higher for 1932 than for the ten-year average 1920-30. Piece goods, with a total of 5,827 million yards as compared with 4,923 million yards for the earlier period, were 18 per cent up. Kerosine Oil, with a total 235 million gallons as compared with 232 million gallons for the earlier period, was 1 per cent up. Salt, with a consumption of 2,106,000 tons as compared with 1,965,000 tons for the earlier period, was 7 per cent up. The returns showed a fall in value for machinery and mill work of about 40 per cent, a fall both in quantity and in value of lubricating oil of between 30 and 40 per cent, an increase in quantities of cement, accompanied by a fall in values, and an increase of 26 per cent in the value of chemicals, the total value of all these articles for 1932 being 70 per cent of the value for the ten years ending 1930, for which figures had been tabulated. Turning to what he called luxuries, the Finance

Member showed that the imports of motor cars in 1932 was 5,300 compared with an annual average of 11,400 in the earlier ten years. Tobacco consumed in 1932 represented 61 per cent in quantity and 51 per cent in value of the earlier period, liquors 93 per cent and 73 per cent respectively. "Altogether, the total value of the three luxury articles consumed in 1932 represents 58 per cent of the average value for the earlier period." Sir George Schuster added that the figures indicated very heavy decreases in the consumption of certain luxury and quasi luxury articles.

With exports for the ten months, April January, at 101½ crores and imports at 112½ crores, India had an adverse balance of trade in merchandise, but this was more than made up by sales and export on private account of gold. Out of £80 millions which represented the proceeds of the export of gold Government acquired £70 millions and £10 millions served to repay foreign funds temporarily invested in India. Government out of its £70 millions used £34½ millions to meet its own current requirements and £35½ millions to repay sterling loans and strengthen its reserves. Therefore, out of the total £80 millions of gold proceeds only £34½ millions were used to meet current requirements and the balance of £45½ millions went to reduce India's external obligations and strengthen her public reserves.

"Looking at the matter from the side of the Indians who have sold the gold, they have acquired 107½ crores of rupees and of this, while a portion has been spent in meeting current requirements (i.e., paying customs duty on imported goods and other taxes), a very substantial portion also, as is clear from the figures which I have given, must have been retained in currency or invested in Government securities."

The Finance Member estimated civil expenditure for 1933-34 at 20.53 lakhs, that is, 36 lakhs less than in the preceding year. He showed nett military expenditure at 46.20 crores.

The Budget, in the course of general discussion, had as good a reception from the non official benches as could be expected. The Indian Finance Bill was passed without a division on 28th March without having been amended to an extent unacceptable by Government.

Other Business

The House, on 8th March, received with expressions of regret by the leaders of all parties a message from His Excellency the Viceroy signifying his acceptance of the resignation of the Hon'ble Sir Ibrahim Rahimtulla of his office of President of the Assembly. The election of a new President was fixed for 14th March and on that date Sir R. K. Shanmukham Chetty was unanimously elected, being the only member nominated. Approval of his election was speedily notified by His Excellency the Viceroy and Mr Chetty was formally congratulated by leaders of all parts of the House. The election of a new Deputy President in place of Mr Chetty took place on 20th March. There were seven candidates. The election was keenly contested. Five of the candidates withdrew before the ballot was held and the result of the ballot was the election of Mr Abdul Matin

Chaudhury by 64 votes, the other candidate in the ballot, Mr Muhammad Yamin Khan, receiving 56 votes.

These took place during the session a two days debate on His Majesty's Government's White Paper containing proposals for Indian constitutional reform. The Hon'ble Sir Brojendra Mitter, as Leader of the House, formally started the discussion by moving that the White Paper be taken into consideration. To this Sir Abdul Rahim moved on behalf of the Opposition Parties an amendment which substituted for the original motion one running as follows—

"This Assembly requests the Governor-General in Council to convey to His Majesty's Government that, in the opinion of this Assembly, unless the proposals of His Majesty's Government for Indian Constitutional Reform are substantially amended in the direction of conceding greater responsibility and freedom of action to the representatives of the people in the Central and Provincial spheres of Government, it will not be possible to ensure peace, contentment or progress of the country."

The amendment was carried without a division. Government did not participate in the debate.

An important non official Bill before the Assembly during the session was one by Mr C. S. Ranga Iyer "to remove the disabilities of the so called Depressed Classes in regard to entry into Hindu Temples." Mr Ranga Iyer, on 24th March, moved that it be circulated for the purpose of eliciting public opinion by 30th July 1933. The debate on the motion did not conclude before the end of the session.

Autumn Session

The annual autumn session of the Legislature commenced with meetings of the Legislative Assembly in Simla, beginning on 22nd August. The first business of importance was a motion for the adjournment of the House in order to raise the question "whether this Assembly wholly approve of the attitude of Government in restricting facilities afforded to Mahatma Gandhi, restricting these much more unlike the previous occasion, which has compelled him to resort to fast unto death." The motion referred to correspondence between Government and Mr M. K. Gandhi, who was in jail at Yeravda after conviction and sentence by the District Magistrate of Poona for breach of the law. Mr Gandhi, on the last occasion when he was in jail, was not a convict but was restrained by executive order. He now claimed the same privileges of correspondence and publicity work as he enjoyed on the former occasion. These privileges Government were ready to concede only in part and Mr Gandhi went on hunger strike in order to coerce Government into conceding the whole. The outstanding feature of the debate in the Assembly was the widespread expression of opinion on the non official benches in support of Government's decision. The debate proceeded to within half a minute of the two hours permitted to it under the Legislative Rules. The President then informed the member in possession of the House that he only had half a minute more. That member thereupon read a telegram just received from Poona by a news agency and stating that Mr. Gandhi

had unconditionally been released, that he was looking very weak and that he had broken his fast. This concluded the discussion. Government had, as a special case, informed the Provincial authorities, that they authorised the release when it became evident that his fast would result in his death.

His Excellency the Viceroy addressed both Houses of the Legislature at a joint sitting on 30th August. His Excellency reviewing events since his last address to the Legislature, referred to the negotiations arranged to take place with Japan and Lancashire in regard to imports of cotton piece goods. His Excellency pointed to the depreciation of the Japanese currency relatively to the rupee as the main cause necessitating the recent denunciation of the Indo-Japanese Trade Convention, and welcomed the representatives of the Japanese Government and the representatives of the Japanese textile industry now on their way to India for negotiations with Indian official and industrial delegates respectively. His Excellency also noted that the industrial delegation from Lancashire was on its way to India and emphasised the significance of the fact that the Lancashire industrialists were to take part in a tri-partite industrial conference with Indian and Japanese industrialists and not with Government.

His Excellency reminded the Legislature that when he addressed the Assembly in February he expressed the belief that the march of events would gradually carry the leaders of the civil disobedience movement further and further away from sterile methods of negation and obstruction and that they would find themselves caught up in the living forces of constructive politics. His Excellency added "I think that what has happened in the last few months has borne out that belief. It is true that civil disobedience still maintains a precarious existence through the personal influence of its author, but the popular judgment has really discarded it, and the pathway to happier conditions is broadening out before us. The minds of men and women are turned in the direction of constructive work rather than of continuing an unmeriting struggle. I hope we can feel that an unhappy page in the history of the country has been turned over, and that advanced political thought in India can henceforth address itself to the problems of the future."

His Excellency pointed out that in that new India to which we were advancing there was need, and there would be scope, for the co-operation of many diverse elements. His Excellency was also able to point out that conditions in Bengal were slowly improving though there had recently, in Madras, been a reminder of the manner in which the infection of the poisonous doctrines of terrorism might spread.

His Excellency noted that the White Paper containing the proposals of His Majesty's Government for Constitutional Reform was now in the hands of the Joint Parliamentary Committee, to which he wished all success. His Excellency concluded his address with an appeal in which he said "If we are to ensure the rapid progress which we all desire in the way of Constitutional Reforms, we must create the

atmosphere in which that progress can develop. Little can be done by Government alone. An equal responsibility must lie upon Honourable Members themselves and other leaders of political thought in India, to whom we must look to use their influence by their speeches, by public meetings and propaganda to see that the electorates of the future are made fully aware of the great advance we are striving to achieve through the White Paper proposals. I appeal to you, therefore, with all the sincerity at my command, to take up the responsibility with courage and energy so as to help your country forward to the attainment of her ultimate goal as an equal partner in the shaping of the destinies of the British Empire."

On the first non official bill day of the session the first business was the resumption of consideration of a motion made in the Legislative Assembly by Mr C S Ranga Iyer on the 24th March, for the circulation of a bill "to remove the disabilities of the so called depressed classes in regard to entry into Hindu temples." This motion was, after a one day's debate, carried.

An important official measure introduced during the session was a new Indian States (Protection) Bill, the purpose of which was to prevent agitation or movements in British India organised for the purpose of subverting the administrations of the Indian States. This measure, on the Home Member's motion for consideration, was subject to much apprehensive discussion. There appeared to be general agreement that conspiracies for the subversion of the States' administrations should not be permitted in British India, but it was felt that the Bill was too widely drafted and there were both apprehension that the measure might interfere with the liberty of discussing in British India the affairs of the States and determination that publicists in British India should not be prevented from joining in such discussion. Eventually, the Home Member accepted a suggestion by the leader of the Independent Party that the Bill should be sent for circulation for eliciting public opinion. Further debate was stopped by a closure motion, which was carried by 57 votes to 9, and the motion for circulation was carried by 66 votes to 7.

The Finance Member on 8th September introduced a Bill to institute a Reserve Bank. Owing to the special importance of the occasion, he made a brief explanatory speech in doing so. It explained that he had brought forward the measure now in order that it might eventually be dealt with in a special session of the Legislature to be held before the next Budget Session in Delhi. The Finance Member, therefore, moved reference of the measure to a Joint Committee of both Houses of the Legislature. The debate spread over three days and the motion was then accepted without a division. The motion to refer to the same Joint Select Committee a Bill to amend the Imperial Bank of India Act in order to make changes in it in conformity with the new Reserve Bank Bill was also accepted.

The Hon ble the Member for Industries and Labour secured the assent of the House to a motion to refer to a Select Committee his bill to consolidate and amend the law regulating labour in factories. Both Houses of the Legislature debated at length a former motion submitted

The report of the Select Committee on the Indian Medical Council Bill was presented. A leading feature of it was a proposal to limit to the Bill eliminating the provision for the establishment of an Indian medical college and thus ending the discussion concerning who should have a right to place on the board. The Bill was passed by the Assembly on 20th September and was subsequently passed without for the allocation to the Council of State.

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The Assembly reported to the Government of Victoria the fact that the Executive had failed to establish a London and Manchester railway along the bank of England for the route from London to the old pits in the Humber were thrown out, and that the spirit of cooperation between the old and new oil fields.

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Steel Industry (Protection) Act of 1927, provided for an earlier inquiry in regard to its continuance. Stop in instituting this new inquiry. Government gave the following terms of reference --

(b) Special consideration to be observed in regard to the wire nail industry to the claims of industries making iron and steel products and in regard to whether the legislature's original motion affirming the principle of discriminating protection is fulfilled.

The Board's report was not published by the end of the year.

The Peoples of India.

It is essential to bear in mind, when dealing with the people of India, that it is a continent rather than a country. Nowhere is the complex character of Indians more clearly exemplified than in the physical type of its inhabitants. No one would confuse the main types, such as Gurkhas, Pathans, Sikhs, Rajputs, Burmans, Nagas, Tamils, etc., nor does it take long to carry the differentiation much farther. The typical inhabitants of India—the Dravidians—differ altogether from those of Northern Asia, and more nearly resemble the tribes of Malaya, Sumatra and Madagascar. Whatever may be their origin, it is certain that they have settled in the country for countless ages and that their present physical characteristics have been evolved locally. They have been displaced in the North-West by successive hordes of invaders, including Aryans, Scythians, Pathans and Moghals, and in the North-East by Mongoloid tribes allied to those of Burma, which is India only in a modern political sense. Between these foreign elements and the pure Dravidians is a borderland where the contiguous races have intermingled.

The people of the Indian Empire are divided by Sir Henry Risley (Caste, Tribe and Race, Indian Census Report, 1901; the Gazetteer of India, Ethnology and Caste, Volume I, Chapter 6) into seven main physical types. There would be eight if the Andamanese were included, but this tiny group of Negritos may be disregarded.

The Turko-Iranian, represented by the Baloch, Brahui and Afghans of Baluchistan and the North-West Frontier Province. Probably formed by a fusion of Turkic and Persian elements, in which the former predominate. Stature above mean, complexion fair, eyes mostly dark but occasionally grey, hair on face plentiful, head broad, nose moderately narrow, prominent, and very long. The feature in these people that strikes one most prominently is the portentous length of their noses, and it is probably this peculiarity that has given rise to the tradition of the Jewish origin of the Afghans.

The Indo-Aryan occupying the Punjab, Rajputana, and Kashmir, and having as its characteristic members the Rajputs, Khattris, and Jats. This type, which is readily distinguishable from the Turko-Iranian, approaches most closely to that ascribed to the traditional Aryan colonists of India. The stature is mostly tall, complexion fair, eyes dark, hair on face plentiful, head long, nose narrow, and prominent but not specially long.

The Scytho-Dravidian, comprising the Maratha Brahmans, the Kunbis, and the Coorgs of Western India. Probably formed by a mixture of Scythian and Dravidian elements. This type is clearly distinguished from the Turko-Iranian by a lower stature, a greater length of head, a higher nasal index, a shorter nose, and a lower orbito-nasal index. All of these characters, except perhaps the last, may be due to a varying degree of intermixture with the Dravidians. In the higher groups the amount of crossing seems to have been slight, in the lower Dravidian elements are more pronounced.

The Aryo-Dravidian or Hindustani, found in the United Provinces, in parts of Rajputana, and in Bihar and represented in its upper strata by the Hindustani Brahman and in its

lower by the Chamar. Probably the result of the intermixture, in varying proportions, of the Indo-Aryan and Dravidian types. The head-form is long with a tendency to medium, the complexion varies from lightish brown to black, the nose ranges from medium to broad being always broader than among the Indo-Aryans, the stature is lower than in the latter group and usually below the average according to the scale. The higher representatives of this type approach the Indo-Aryans, while the lower members are in many respects not very far removed from the Dravidians. The type is essentially a mixed one, yet its characteristics are readily definable, and no one would take even an upper class Hindustani for a pure Indo-Aryan or a Chamar for a genuine Dravidian. The distinctive feature of the type, the character which gives the real clue to its origin and stamps the Aryo-Dravidian as racially different from the Indo-Aryan is to be found in the proportions of the nose.

The Mongolo-Dravidian, or Bengali type of Lower Bengal and Orissa, comprising the Bengal Brahmans and Kayasthas, the Mahomedans of Eastern Bengal, and other groups peculiar to this part of India. Probably a blend of Dravidian and Mongoloid elements, with a strain of Indo-Aryan blood in the higher groups. The head is broad, complexion dark, hair on face usually plentiful, stature medium, nose medium, with a tendency to broad. This is one of the most distinctive types in India, and its members may be recognised at a glance throughout the wide area where their remarkable aptitude for clerical pursuits has procured them employment. Within its own habitat the type extends to the Himalayas on the north and to Assam on the east, and probably includes the bulk of the population of Orissa, the western limit coincides approximately with the hilly country of Chota Nagpur and Western Bengal.

The Mongoloid type of the Himalayas, Nepal, Assam, and Burma, represented by the Kanets of Lahul and Kulu, the Lepchas of Darjeeling and Sikkim, the Limbus, Murms and Gurungs of Nepal, the Bodo of Assam, and the Burmese. The head is broad, complexion dark, with a yellow tinge, hair on face scanty, stature short or below average, nose fine to broad, face characteristically flat, eyelids often oblique.

The Dravidian type extending from Ceylon to the valley of the Ganges, and pervading Madras, Hyderabad, the Central Provinces, most of Central India and Chota Nagpur. Its most characteristic representatives are the Panyans of Malabar and the Santals of Chota Nagpur. Probably the original type of the population of India, now modified to a varying extent by the admixture of Aryan, Scythian, and Mongoloid elements. In typical specimens the stature is short or below mean, the complexion very dark, approaching black, hair plentiful, with an occasional tendency to curl, eyes dark, head long, nose very broad, sometimes depressed at the root, but not so as to make the face appear flat. This race, the most primitive of the Indian types, occupies the oldest geological formation in India, the medley of forest-clad ranges, terraced plateau, and undulating plains which stretch roughly speaking, from the Vindhya to Cape

Comorin On the east and the west of the peninsular area the domain of the Dravidian is continuous with the Ghats, while further north it reaches on one side to the Aravallis, and on the other to the Rajmahal Hills. Where the original characteristics have been unchanged by contact with Indo-Aryan or Mongoloid people, the type is remarkably uniform and distinctive. Labour is the birthright of the pure Dravidian whether hoeing tea in Assam, the Duars, of Ceylon, cutting rice in the swamps of Eastern Bengal or doing scavenger's work in the streets of Calcutta, Rangoon and Singapore, he is recognizable at a glance by his black skin, his squat figure, and the negro like proportion of his nose. In the upper strata of the vast social

deposit which is here treated as Dravidian these typical characteristics tend to thin and disappear, but even among them traces of the original stock survive in varying degrees.

The areas occupied by these various types do not admit of being defined as sharply as they must be shown on an ethnographic map. They melt into each other insensibly and although at the close of a day's journey from one ethnic tract to another, an observer whose attention had been directed to the subject would realize clearly enough that the physical characteristics of the people had undergone an appreciable change, he would certainly be unable to say at what particular stage in his progress the transformation had taken place.

TOWN AND COUNTRY.

The progress of urbanisation in India—if there has been any progress at all—has been very slow during the past thirty years, the whole increase being a little more than one per cent. The percentage of the urban population to the total is only 11, which however shows an increase of 0.8 per cent since the last census, due partly to the natural increase of the pre-existing urban population and partly to migration from rural areas. The percentage of urban population ranges from 3.4 in Assam to 22.6 in Bombay which is the most urbanised of the major provinces. Compared to this, the urban population in France is 49 per cent, in Northern

Ireland 50.9 per cent, in Canada 53.7 per cent, in the U. S. A. 56.2 per cent and in England and Wales 50 per cent.

The greatest degree of growth has been in the number of towns with a population of from 20,000 to 50,000, the total population of which is now nearly double that of towns of 50,000 to 100,000. All classes of towns have increased in population, except those with populations of between 5,000 and 10,000 and those having under 5,000. Thus the large industrial and semi-industrial towns have benefited at the expense of the smaller towns.

DISTRIBUTION OF POPULATION IN GROUPS OF TOWNS ACCORDING TO SIZE AND IN RURAL TERRITORY

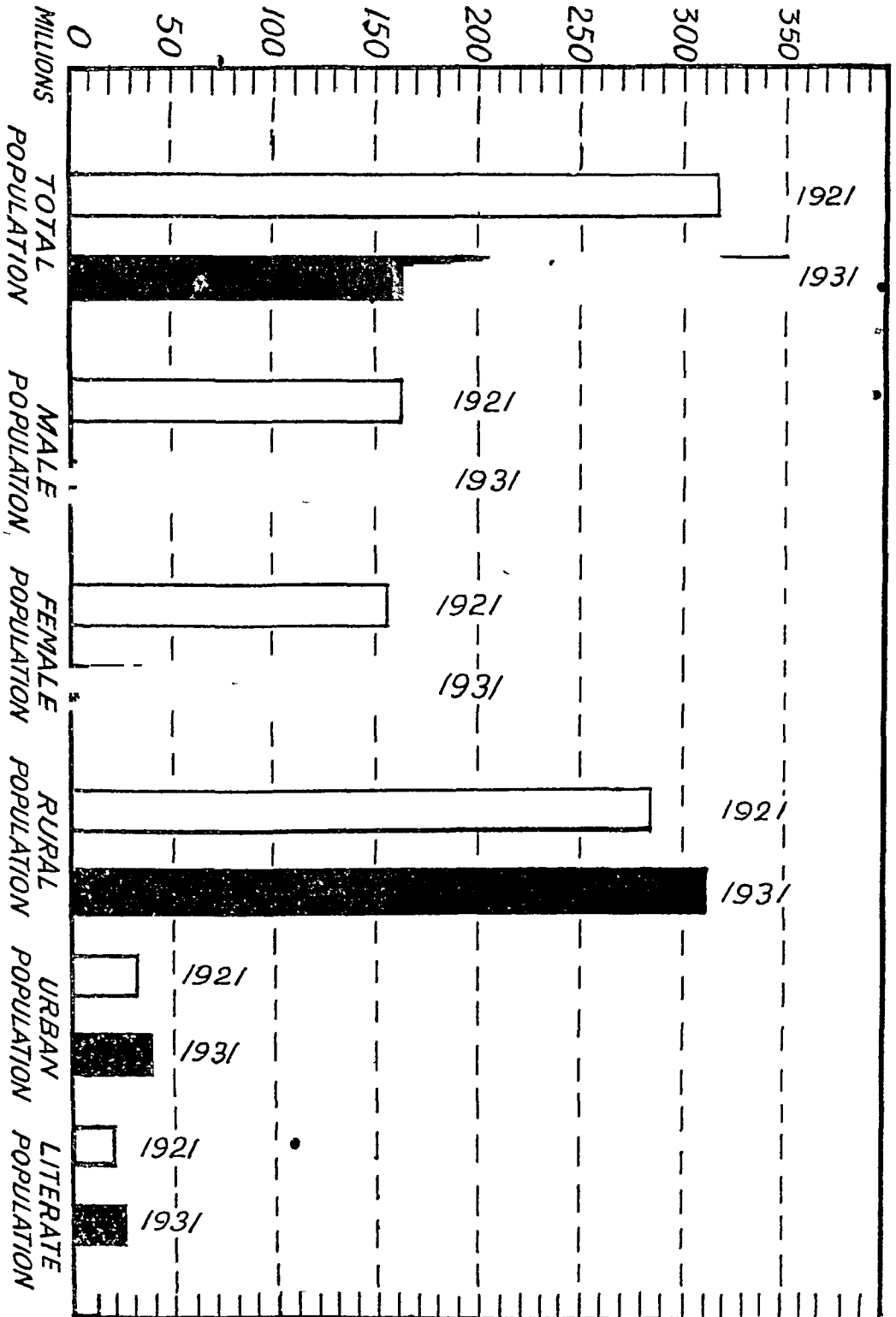
Class of Places	1931		1921		Percentage of total Population				
	Places	Population	Places	Population	31	21	11	01	'01
Total Population	699,406	352,837,778	687,081	318,042,180	100	100	100	100	100
Rural Areas	696,831	313,852,351	685,665	286,167,204	89.89	89.80	89.00	69.00	1.90
Urban Areas	2,575	38,985,427	2,416	32,475,276	11.10	10.20	9.40	9.90	9.50
Towns having 100,000 and over	38	9,671,032	35	8,211,704	2.7	2.6	2.2	2.2	2.2
Towns having 50,000 to 100,000	65	4,572,113	51	3,517,719	1.3	1.1	.9	1.2	1.1
Towns having 20,000 to 50,000	268	8,091,288	200	5,968,791	2.3	1.9	1.8	1.7	1.6
Towns having 10,000 to 20,000	543	7,449,402	451	6,220,889	2.1	1.9	2.2	2.2	1.9
Towns having 5,000 to 10,000	987	6,092,832	885	6,223,011	2	2	1.9	2	2.1
Towns having under 5,000	674	2,205,760	691	2,333,129	6	7	6	6	6

Migration—Of the population of the Indian Empire only 730,546 were enumerated as born in other parts of the world. Of these 595,078 are of Asiatic birth, 118,089 of European birth and 17,379 others. The emigration from India is approximately 2.5 million, the balance of migration being against India.

Nearly all of these migrants are resident in other parts of the British Empire. There are about 165,500 Indians in the Union of South Africa, of whom 142,979 are found in Natal. There are 26,759 in Kenya, the other overseas Indian communities in order of size are Mauri-

tius 268,870, Trinidad and Tobago 138,667, British Guiana 130,540, Fiji 75,117 and much smaller numbers in Tanganyika, Jamaica, Zanzibar, Uganda and Hong Kong. There are about 11,000 Indians scattered in numbers of under 2,000 in various other parts of the British Empire and probably about 9,000 in the British Isles. The total number of Indians in the Empire outside India is 2,300,000. Outside the Empire there are about 100,000 Indians, 25,000 in the Dutch East Indies, 35,000 in Dutch Guiana, 7,500 in Madagascar and smaller numbers in Portuguese East Africa, the U. S. A., Persia, Iraq and other countries.

The Chart below gives at a glance the changes in India's population in decade the 1921-31—the total, sex, urban rural and literacy



Census of India 1931—Continued

Province, State or Agency	POPULATION, 1931				POPULATION, 1921	PERCENTAGE OF VARIATION, INCREASE (+), DECREASE (-),			
	Area in Square Miles	Persons	Males	Females		Both Sexes	1921-31	1911-21	1891-1931
J	2	3	4	5	6	7	8	9	
States and Agencies	712,508	81,310,845	41,997,367	39,413,478	72,080,299	+ 12.8	+ 1.0	+ 16.6	
Assam States	12,320	625,606	306,927	318,679	531,118	+ 17.8	+ 10.2	+ 96.8	
Baluchistan States	80,410	405,109	218,110	186,999	378,977	+ 6.9	+ 9.8	+ 5.5*	
Batavia State	8,164	2,443,007	1,257,817	1,185,190	2,126,722	+ 14.9	+ 1.6	+ 12.0*	
Bengal States	5,434	973,336	516,162	457,171	896,926	+ 8.7	+ 9.0	+ 39.4	
Bihar and Orissa States	28,648	4,652,007	2,288,122	2,363,885	3,910,069	+ 17.5	+ 0.4	+ 93.0	
Bombay States	27,994	4,468,396	2,288,623	2,179,773	3,867,819	+ 15.5	+ 0.1	+ 28.2	
Central India Agency	51,597	6,632,790	3,403,138	3,227,652	6,002,531	+ 10.5	+ 2.1	+ 22.0*	
Central Provinces States	31,175	2,483,214	1,235,385	1,217,829	2,066,900	+ 20.1	+ 2.4	+ 79.0	
Gwalior State	26,367	3,523,070	1,867,031	1,656,039	3,193,176	+ 10.3	+ 1.3	+ 14.6*	
Hyderabad State	82,698	14,436,148	7,370,010	7,066,138	12,471,770	+ 15.8	+ 6.8	+ 46.6	
Jammu and Kashmir State	84,516	3,646,243	1,938,338	1,707,905	3,120,518	+ 9.8	+ 5.1	+ 43.4†	
Madras States Agency	10,998	6,734,481	3,373,032	3,341,452	5,460,312	+ 23.7	+ 13.5	+ 101.9	
Cochin State	1,480	1,205,016	589,813	615,203	979,080	+ 21.1	+ 6.6	+ 100.7	
Travancore State	7,625	5,093,973	2,565,073	2,530,900	4,006,062	+ 27.2	+ 16.8	+ 112.2	
Other Madras States	1,593	453,495	218,146	235,349	473,170	+ 4.6	+ 2.2	+ 32.1	
Mysore State	29,326	6,357,302	3,153,063	3,203,339	5,978,802	+ 9.7	+ 1.0	+ 36.6	
North West Frontier Province (Agencies and Tribal Areas)	22,838	2,259,288	1,212,447	1,046,911	2,825,146	+ 20.0	+ 71.2	+ 2,500.8*	
Punjab States	5,820	437,787	229,290	208,497	108,019	+ 7.3	+ 1.0	+ 21.5	
Punjab States Agency	31,241	4,272,218	2,151,394	2,020,824	4,008,017	+ 11.6	+ 5.5	+ 27.7	
Rajputana Agency	129,059	11,225,712	5,885,028	5,340,684	9,511,755	+ 11.2	+ 6.5	+ 11.1	
Sikkim State	2,819	109,809	55,825	53,983	81,721	+ 34.4	+ 7.1	+ 260.5†	
United Provinces States	5,943	1,206,070	618,171	587,899	1,114,851	+ 6.3	+ 4.6	+ 9.7	
Western India States Agency	35,442	3,999,250	2,025,734	1,973,516	3,581,610	+ 12.9	+ 0.5	+ 16.5	

* Variation calculated from 1901-1931

† Variation calculated from 1891-1931

CENSUS OF INDIA 1931—Population of Provinces and States

Province, State or Agency	POPULATION, 1931				POPULATION, 1921	PERCENTAGE OF VARIATION, INCREASE (+), DECREASE (—)			
	Area in Square Miles	Persons	Males	Females		Both Sexes	1921-31	1911-21	1881-1931
1	2	3	4	5	6	7	8	9	
INDIA PROVINCES									
Ajmer Merwara	1,808,679 1,096,171 2,711	352,837,778 271,526,933 560,292	181,828,923 139,931,556 296,081	171,008,855 131,595,377 261,211	318,942,480 246,856,191 459,271	+ 10 6 + 10 0 + 13 1	+ 1 2 + 1 3 — 1 2	+ 39 0 + 36 8 + 21 4	
Andaman and Nicobar Islands	3,143 55,014	29,463 8,622,251	19,702 4,537,206	9,761 4,085,045	27,086 7,450,128	+ 8 8 + 15 6	+ 2 4 + 13 4	+ 101 1 + 79 2	
Baluchistan	54,228	463,508	270,004	193,504	120,618	+ 10 2	+ 1 5	+ 21 3*	
Bengal	77,521	50,114,002	26,041,698	24,072,304	46,702,307	+ 7 3	+ 2 7	+ 37 9	
Bihar and Orissa	83,054	37,677,576	18,794,138	18,883,438	33,995,418	+ 10 8	— 1 4	+ 21 6	
Bombay Presidency including Aden Burma	123,679 233,492	21,930,601 14,667,146	11,535,903 7,490,601	10,394,698 7,176,545	19,348,219 13,212,192	+ 13 3 + 11 0	— 1 8 + 9 1	+ 32 8 + 292 5	
Central Provinces and Behar	99,920	15,507,723	7,761,818	7,745,905	13,912,760	+ 11 5	+ 0 0	+ 29 8	
Coorg	1,593	163,327	90,575	72,752	163,838	— 0 3	— 6 4	+ 8 4	
Delhi	573	636,246	369,497	266,749	488,452	+ 30 3	+ 18 0	+ 81 3	
Madras	142,277	46,740,107	23,082,999	23,657,108	42,318,985	+ 10 4	+ 2 2	+ 51 6	
North West Frontier Province (Districts and Administered Territories)	13,518	2,425,076	1,315,818	1,109,258	2,251,340	+ 7 7	+ 2 5	+ 53 9	
Punjab	99,200	23,580,852	12,880,510	10,700,342	20,685,478	+ 14 0	+ 5 7	+ 39 2	
United Provinces of Agra and Oudh	106,248	48,408,763	21,445,006	22,963,757	45,375,069	+ 6 7	— 3 1	+ 10 6	

Population of Principal Towns—Continued

City	Total Population	Density	Females per 1,000 males	Literates per 1,000		PERCENTAGE VARIATION				
				Males	Females	1901 to 1911	1911 to 1921	1921 to 1931	1931 to 1941	1941 to 1951
1	2	3	4	5	6	7	8	9	10	11
Nagpur	215,165	10,578	848	308	95	—	43 0	+ 48 0	+ 119 0	—
Benares	205,315	25,945	802	300	83	—	—	+ 3 5	—	—
Allahabad	183,914	12,118	776	347	133	—	—	+ 17 0	—	—
Madurai	182,018	22,555	985	444	94	+ 26 6	+ 2 8	+ 31 0	+ 146 6	—
Srinagar	173,573	15,779	831	174	14	+ 3 0	+ 12 2	+ 22 5	+ 16 0†	—
Patna	159,690	10,646	731	305	86	+ 1 0	—	+ 33 1	—	—
Mandalay	147,932	5,917	905	704†	390†	—	—	—	—	—
Sholapur	144,654	*	885	254†	48†	—	+ 94 9	+ 21 0	+ 141 5	—
Japur	144,179	48,060	830	218	32	—	—	+ 10 9	—	—
Bareilly	144,031	17,652	842	227	62	—	—	+ 11 3	+ 25 1	—
Tuchinopoly	142,843	17,657	937	485	152	+ 17 9	—	+ 18 6	+ 69 1	—
Dacca	138,518	23,086	745	444	261	+ 21 0	—	—	+ 76 8	—
Meerut	136,709	18,749	750	266	108	—	+ 5 1	+ 11 5	+ 56 8	—
Indore	127,327	14,147	734	348	98	—	+ 107 1	+ 36 8	+ 55 4†	—
Jubbulpore	124,382	7,897	796	357	109	—	—	+ 14 0	—	—
Peshawar	121,866	13,801	607	235†	67†	+ 2 9	+ 6 7	+ 16 7	+ 52 4	—
Ajmer	119,524	7,031	811	322	95	+ 16 5	—	+ 5 3	+ 145 2	—
Multan	119,457	9,084	754	200	33	+ 13 6	—	+ 10 9	+ 73 9	—
Rawalpindi	119,284	9,527	570	326	64	—	—	+ 17 9	+ 125 2	—
Baroda	112,860	10,964	799	196	184	+ 1 3	+ 1 7	+ 10 2	+ 6 0	—
Moradabad	110,562	29,020	802	205	75	+ 8 0	+ 1 9	—	+ 59 5	—
Tinnevely with Palamcottah	109,008	11,314	1,098	458	108	+ 12 1	+ 11 9	+ 8 6	+ 164 8	—
Mysore	107,142	10,714	887	420	173	+ 17 2	+ 17 7	+ 27 6	+ 77 7	—
Salem	102,179	23,065	973	339	72	—	—	+ 95 6	+ 101 7	—

* Not available

† For Municipality only

‡ 1891-1931

POPULATION OF PRINCIPAL TOWNS

It is claimed that the city of Calcutta contains 35,000 more inhabitants than Bombay which is the next largest city in India. There are nearly twice as many inhabitants in Calcutta proper as there are in Madras and almost three times as many as there are in Rangoon. Alone of the large cities of India, Bombay records a decrease in population since the 1921 census.

Lahore which has expanded to more than half as large again as it was in 1921 has increased its population by actually a large number during the decade than Calcutta. The same is true of Delhi and Madras which increased by 47 per cent over their population of 1921. On the other hand, although the increase of 119,470 in the population of Calcutta during the last decade is greater than has been recorded in any of the other cities the percentage increase amounts to only 11 as compared with 21.5 in Karachi, 15.9 in Rangoon, 11.5 in Ahmedabad and 14.2 in Lucknow. Taking the suburban areas into account the population of Calcutta is 1,485,582 of which 1,196,731 are to be found in the city proper included in the municipal area.

City	Total Population	Density	Females per 1,000 males	Literates per 1,000		PERCENTAGE VARIATION					
				Males	Females	1901 to 1911	1911 to 1921	1921 to 1931	1881 to 1931	10	
1	2	3	4	5	6	7	8	9			
Calcutta with Howrah Bombay Madras	1,485,582 1,161,383 647,280	24,354 48,000 22,219	489 554 897	430 291 433	269 153 170	+ 11 0 + 26 2 + 1 8	+ 1 3 + 20 0 + 1 6	+ 11 9 — 1 2 + 22 8	+ + + + + + + + +	79 2 50 2 59 1	
Hyderabad with Secunderabad, etc	466,894	8,809	889	449	118	+ 12 0	— 19 0	+ 16 0	+ + +	27 0	
Delhi with New Delhi, Shrah- dun, etc	447,442	6,835	670	246†	89†	+ 11 6	+ 30 7	17 0	+ + +	158 1	
Lahore	420,747	10,913	565	297	121	+ 12 7	+ 23 2	+ 52 5	+ + +	187 7	
Rangoon	400,415	16,146	477	512	379	+ 24 9	+ 16 6	+ 17 1	+ + +	198 4	
Ahmedabad	313,789	*	853	*	*	+ 16 6	+ 26 4	+ 14 5	+ + +	145 9	
Bangalore with Civil and Mil- itary Station	306,470	11,799	902	405	168	+ 19 1	+ 25 3	+ 29 0	+ + +	90 6	
Lucknow	274,659	13,272	745	253	43	— 1 6	— 1 6	+ 14 2	+ + +	8 2	
Amritsar	264,840	24,844	666	205	69	— 6 0	+ 4 9	+ 65 3	+ + +	74 4	
Karachi	263,565	6,720	688	286	114	+ 30 2	+ 42 8	+ 21 5	+ + +	258 3	
Poonah	250,187	6,400	811	408	149	+ 5 3	+ 23 9	+ 16 5	+ + +	82 6	
Cawnpore	243,755	21,756	696	233	62	— 12 0	+ 21 2	+ 12 6	+ + +	56 9	
Agra	229,764	12,449	813	214	52	— 1 4	+ 0 0	+ 23 8	+ + +	4	

* Not available.

† For Delhi and New Delhi Cities only

Marriage—The subject of polygamy has been discussed fully in the report of 1911. Both Hindus and Muhammadans are allowed more wives than one, Muhammadans being nominally restricted to four. As a matter of practice polygamy is comparatively rare owing to domestic and economic reasons and has little effect on the statistics. The custom of polyandry is recognized as a regular institution among some of the tribes of the Himalayas and in parts of south India. It is also practised among many of the lower castes and aboriginal tribes. Its effect is reflected in the statistics of a few small communities such as the Buddhists of Kashmir where the proportion of married women to married men is exceptionally low, but otherwise the custom is of sociological rather than of statistical interest.

The table below shows the percentage for each sex of married persons who are under the age of 15 years.

Number per 1,000 of total married who are under 15 years

Provinces, etc	Males	Females
India	65.7	157.3
Burma	1.8	6.7
India Proper	68.0	161.8
Hindus	73.1	164.1
Muslims	59.4	174.3
Jains	32.5	108.3
Tribal	49.6	93.3
Sikhs	26.9	74.6
Christians	15.4	13.3

Widows and Remarriage—Infant marriage naturally involves infant widowhood, a feature of no significance where remarriage is allowed, but of serious importance where it is not. Widows among Hindus numbered just under two millions in 1931, but the general ratio of widows has decreased as compared with 1921. In the 1921 census there were 175 widows in every 1,000 females, a figure which had fallen in 1931 to 155. It is, however, Jains and

Hindus who place an effective ban on widow remarriage and in both these communities the total ratio of widows has fallen, Jain widows in 1931 were 253 per 1,000 females, but in 1921 only 221 and the 1921 figure of 191 widows in every 1,000 Hindu females had fallen to 169 in 1931. On the other hand, there has already been a very remarkable increase in child widows particularly under the age of 5 years which can be attributed to the rush of marriages anticipatory to the Child Marriage Restraint Act, a rush which it is to be feared will contribute large numbers of young widows to the figures of the 1941 census unless there is before then a very pronounced change of attitude towards widow remarriage in Hindu society generally. In every thousand Hindu women there are still 169 widowed, 22 of whom are under thirty years of age and over a quarter of those under 20. In spite of reformist movements to popularise widow remarriages, they are still uncommon enough to attract attention in Indian papers whenever they take place.

Proportion of widows in the population per 1,000 of all religions

Age	1931	1921
All ages	155	175
0—5	1	1
5—10	5	5
10—15	10	17
15—20	34	11
20—30	78	92
30—40	212	212
40—60	507	494
60 and over	802	814

SOCIAL AND ECONOMIC CONDITIONS

Literacy—The number of persons in India literate in the sense of being able to write a letter and read the reply

Literacy, in the sense of ability to write a letter and to read the answer to it, has grown enormously in the past fifty years, although it is at present not very high in comparison with countries in the west. Ninety-five out of every 1,000 of the population are now literate, as against 82 ten years ago and less than 40 half a century ago. Burma leads the provinces in the matter of literacy, for in that province literacy, even if not of a very high order, is a habit, traditional in both sexes and all classes, both boys and girls being taught in the monasteries of which almost every Burman village has at least one. Cochin, Travancore and Baroda follow Burma in the order of literacy. Cochin State, in spite of a very rapid growth

in population and in spite of having started with a very high ratio, has been able to do more than keep pace with that growth.

Literacy is much more prevalent in towns than in the country, as both the need for, and the opportunities of, acquiring it are greater. An analysis of the population of the cities shows that 348 out of 1,000 males and 149 out of 1,000 females are literate, while the corresponding figures for literacy in English in towns are 1,473 males and 434 females.

The country taken as a whole, female literacy is comparatively absent in India proper except in Kerala. Cochin State has more than one literate female to every two literate males and Travancore only a little less, while Malabar has nearly one to every three. Coorg a little less than one to every three, Baroda a little fewer and Mysore one to every five. Besides the

AGE AND SEX.

The table below shows the age distribution of 10,000 males and females of the Indian population by 10-yearly age groups at the last two censuses —

Age group	1931		1921		Age group	1931		1921	
	Males	Females	Males	Females		Males	Females	Males	Females
0—10	2,802	2,889	2,673	2,810	40—50	968	891	1,013	967
10—20	2,086	2,062	2,087	1,896	50—60	561	545	619	606
20—30	1,768	1,856	1,640	1,766	60—70	269	281	347	377
30—40	1,431	1,351	1,461	1,398	70 and over	115	125	160	180
					Mean age	23 2	22 8	24 8	24 7

The mean age in India is only 23 02, as against 30 6 in England and Wales. The rate of infant mortality in India in the decade 1921-31 shows an appreciable reduction on the rate of the previous decade, even if allowance

be made for the heavy mortality of the influenza years. It is in the towns that the highest infantile mortality is found. The table below shows the rates from 1925 to 1930 for presidency towns and certain provincial capitals.

INFANTILE MORTALITY RATES PER 1,000 LIVE-BIRTHS DURING

City	1925	1926	1927	1928	1929	1930
Bombay	357	255	316	314	301	298
Calcutta	326	372	340	276	259	268
Madras	279	282	240	289	259	246
Rangoon	352	320	294	341	321	278
Lucknow	260	287	256	301	269	329
Lahore	222	241	201	204	214	187
Nagpur	258	302	254	299	291	270
Delhi	183	238	201	210	259	199

Special causes contribute to the high mortality of infants in India.

Owing to the custom of early marriage, cohabitation and child-birth commonly take place before the woman is physically mature and this, combined with the primitive and unsanitary methods of midwifery, seriously affects the health and vitality of the mother and through her of the child. If the child survives the pre-natal and natal chances of congenital debility and the risks of child-birth, it is exposed to the dangers of death in the early months of life from diarrhoea or dysentery. According to the Executive Health Officer of Bombay city, by far the greater number of infantile deaths are due to infantile debility and malformation, including premature birth, respiratory diseases, coming next, then convulsions, then diarrhoea and enteritis.

Sex Ratio—The figures of the population of India by sexes, as recorded by the latest census, show a further continuation of the steady fall in the proportion of females to males that

has been going on since the beginning of this century. This shortage of females is characteristic of the population of India as compared to that of most European countries. The female infant is definitely better equipped by nature for survival than the male, but in India the advantage she has at birth is probably neutralised in infancy by comparative neglect and in adolescence by the strain of bearing children too early and too often. A good deal of recent work on sex ratios has tended to the view that an increase in masculinity is an indication of declining population, but this is not the case in India as a whole. The all India ratio is 901 females per 1,000 males for Muslims and 951 females per 1,000 males for Hindus. The only provinces in which there is actually an excess of women over men are Madras and Bihar and Orissa, though the Central Provinces can be added if Berar be excluded. Where females are in excess, the excess is still most marked in the lower castes and does not always extend to the higher. Among the aboriginal tribes, however, the numbers of the two sexes are approximately equal.

The necessity of a common medium of conversation and intercourse, which has given rise to bi-lingualism and the consequent displacement of tribal languages, has formed the subject of a considerable amount of discussion and suggestion during the last decade and a good deal has been written on the possibility of a *lingua franca* for India. The combined speakers of Eastern and Western Hindi considerably exceed in number the strength of any other individual language in India, and if we add to these two languages Bihari and Rajasthani, which so resemble Hindi as to be frequently returned under that name in the census schedules we get well over 100 millions of speakers of tongues which have some considerable affinities and cover a very large area of northern and

central India. In their pure forms these four languages may be scientifically distinct, but this is not the popular view. There is a common element in the main languages of northern and central India which renders their speakers, without any great conscious change in their speech, mutually intelligible to one another, and this common basis already forms an approach to a *lingua franca* over a large part of India.

Infirmities—These are classes under four main heads—insanity, deaf mutism, blindness and leprosy. The appended statement shows the number of persons suffering from each infirmity at each of the last six censuses and the proportion per hundred thousand of the population—

Infirmity	NUMBER AFFLICTED WITH RATIO PER HUNDRED THOUSAND OF THE POPULATION					
	—	1921	1911	1901	1891.	1881
Insane	120,301 34	88,105 28	81,006 26	60,205 23	74,279 27	81,132 35
Deaf-mutes	230,895 66	189,614 60	199,801 64	153,168 52	190,861 75	197,215 86
Blind	601,370 172	479,037 152	443,653 142	374,104 121	458,868 167	526,748 229
Lepers	147,911 42	102,513 32	109,091 35	97,340 33	126,244 46	131,968 57
TOTAL		860,099 272	831,644 267	670,817 229	856,252 315	937,061 407

There had been a continuous decline in the total number as well as in the proportion of persons recorded as afflicted up to 1901. This fall has been ascribed partly to a progressive improvement in the accuracy of the diagnosis and partly to an actual decrease in the prevalence of the infirmities, owing to the improvement in the material condition of the people to better sanitation and (especially in the case of blindness) to the increasing number of cures effected with the aid of modern medical and surgical science. In the decade ending 1901 the relatively high mortality of the afflicted in the two severe famines must have been a considerable factor in the decline shown at that census, but the method of compilation adopted in 1901 and in the previous census was defective, and, certainly in 1901 many of the persons afflicted must have escaped notice in the course of tabulation. Compared with the year 1891, there was a slight decrease in the total number of persons recorded as afflicted in 1911, the proportion per hundred thousand persons falling from 315 to 267. The increase in ratio as well as in numbers since then is attributed to increased accuracy of enumeration.

Occupation—It is a well known fact that the majority of the people in India live on agriculture. The latest census puts down the number of those engaged in the exploitation of animals and vegetation at 103,300,000, while those engaged in industry number 15,400,000. Thus about 67 per cent of the country's workers are employed in the former and 10 per cent in the latter. This does not, however, mean that all the 103 millions are land owners. Rights in land in India are complicated and involved to a degree, incredible to persons familiar only with the simpler tenures of western Europe.

Between the man who cultivates land and the man who nominally owns it there are often a number of intermediate holders of some interest or other in the produce of the land. If a comparison is made between the area of land under crops and the number of agriculturists actually engaged in cultivation in British India, it is that for each agriculturist there are 2.9 acres of cropped land of which 0.65 of an acre is irrigated. The cultivation of special crops occupies under two per cent of the population concerned in pasture and agriculture, the greater part of whom are engaged in the production of tea. Forestry employs fewer than special cultivation.

In recent years there has been an increase in the number of people living on the production and transmission of physical force, that is, heat, light, electricity, motive power, etc. Silk spinning and weaving, manufacture of chemical products, and the manufacture of tobacco have proved more popular than before. Transport by road has attracted more men, while the use of water for internal transport has decreased, harbours being used more freely for external transport by sea. About five million persons are engaged in organised industry.

It is noteworthy that less than one million people, who man, the army, the Navy, the police, the police, the services, etc., manage the administration of this vast country in other words, 350 odd millions are ruled by one million servants of the state.

There has of late been increasing unemployment, especially among the educated classes. An attempt to include these in the last census has not met with success, but it is significant that graduates of Madras University join the police department on Rs 10 per mensem and are held fortunate in getting even that.

difficulty, still felt very strongly in most provinces, of getting good women teachers, one of the most serious obstacles to the spread of female education is the early age of marriage, which causes girls to be taken from school before they have reached even the standard of the primary school leaving certificate

Treated in communal or religious groups, the greatest progress has been made by Sikhs, Jains, Muslims and Hindus, in that order, but the leading literate communities are the Parsis, Jews, Buimans, Jains and Christians. The following table analyses the position of the Indian communities in respect of literacy —

Religion	Number per 1,000 who are literate
All religions (India)	95
Hindus	84
Sikhs	91
Jains	353
Buddhists	90
Zoroastrians (Parsis)	791
Muslims	64
Christians	279
Jews	416
Tribal	7
Others	19

hundred and twelve out of every 10,000 males and 28 out of every 10,000 females are literate in English and both sexes taken together 123 out of 10,000. Viewed in relation to the various religions and communities, the figures are as follow —

Religion	Number per 10,000 aged 5 and over who are literate in English
All religions (India)	123
Hindus	113
Sikhs	151
Jains	306
Buddhists	119
Zoroastrians (Parsis)	5,041
Muslims	92
Christians	919
Jews	2,636
Tribal	4
Others	28

Territorially Cochin State leads in literacy in English with 307 per 10,000, Coorg follows with 238, Bengal (211) and Travancore (158) coming next

Languages—In the whole Indian Empire 225 languages were returned at the census, dialects, as has been previously explained, not having been separately considered

English Language—Literacy in English language is still less in India and is confined mostly to the town dwelling population. Two

The principal languages are given in the following statement —

Language	Total number of speakers (000 omitted)				Number per 10,000, of total population	
	1931		1921		Males	Females
	Males	Females	Males	Females		
Western Hindi	37,743	33,804	50,210	46,304	2,090	1,990
Bengali	27,517	25,952	25,239	24,055	1,523	1,527
Telugu	13,291	13,083	11,874	11,727	736	770
Marathi	10,573	10,317	9,296	9,095	585	607
Tamil	10,073	10,339	9,284	9,496	558	608
Punjabi	8,799	7,040	8,961	7,272	487	414
Rajasthani	7,271	6,627	6,656	6,025	403	390
Kanarese	5,690	5,516	5,253	5,121	315	325
Orisa	5,485	5,709	4,952	5,192	304	306
Gujerati	5,610	5,240	4,967	4,585	311	308
Burmese	4,332	4,522	4,135	4,288	240	266
Malayalam	4,535	4,605	3,756	3,762	257	271
Lahnda (or Western Punjabi)	4,603	3,963	3,050	2,602	255	233

Origin of Indian Emigration—Immigration is prohibited by the Hindu Shastras and there is little evidence of any settlement of Indians overseas in early times except in Sumatra, Java and Ceylon. Emigration for purposes of labour dates from the beginning of the 19th century. From 1800 A.D. onwards Indians crossed the Bay to the Straits Settlements to work on the sugar, spice, tobacco, and coconut plantations of Penang, and this intercourse was allowed to continue for long without regulation. The first officially recorded instance of genuine recruitment for labour emigration occurred in 1810, when a French merchant, named Joseph Armand, carried some 150 artisans to Bourbon. The abolition of slavery in British colonies in 1833 gave the first great impetus to the movement. The sugar planters of Mauritius at once turned to India as their best recruiting ground, and between 1834 and 1837 obtained at least 7,000 recruits from Calcutta. The Government of India at a very early stage realised the necessity of bringing such emigration under regulation. The Law Commission was asked to investigate the case and to make recommendations for securing the well-being of emigrants. They advised that no legislation was required except in order to prevent undue advantage being taken of the simplicity and ignorance of emigrants by providing that a magistrate should satisfy himself that all contracts were entered into freely and understood by them and in order to secure that sufficient provision was made for their accommodation and sustenance during the voyage. A copy of every engagement was also to be transmitted to the Government under which the emigrants were to live. These recommendations were embodied in the first Emigration Act (V of 1837), which also provided that contracts should be determinable after 5 years.

History of Emigration—Under the above Act emigration during 1837 was permitted to Mauritius, British Guiana and Australia (89 men, the first and last direct emigrants to Australia). In 1838 emigration was suspended owing to agitation in England regarding the abuses to which the system was liable, and a committee of enquiry reported in 1840 that emigrants were being entrapped by force or fraud, robbed of their wages and treated with brutality. In consequence, emigration was prohibited (Act XV of 1842) except to Mauritius and there control was tightened. In Act XXI of 1844 emigration under still stricter regulation was allowed to Jamaica, British Guiana and Trinidad. Act XIII of 1847 removed the restrictions on emigration to Ceylon. The emancipation of slaves in the French colonies in 1849 gave rise to a system of emigration from French Indian ports to Reunion and Bourbon, which was largely based on crimping in British territory. This practice was checked by Act XXIV of 1852. In 1858 emigration was opened to St. Lucia, and in 1860 to St. Vincent, Natal and St. Kitts. In the latter year a more elaborate Act, based on a convention with the French Government, was passed legalising and regulating emigration to Reunion, Martinique, Guadeloupe, and French Guiana. Act XIII of 1864 marks an important stage in the history of emigration, since it elaborated

and consolidated the whole system of control. It was itself amended in 1869 and 1870 in important respects with the object of preventing epidemics on emigrant vessels and improving sanitary conditions in settlements. In 1869 emigration was permitted to Grenada, and in 1872 to Surinam. Owing to the removal of the Straits Settlements from the control of the Government of India in 1867, emigration to that colony came under all the restrictions imposed by the Emigration Act and was only permitted from the port of Negapatam. Owing to the injury caused to the agricultural industries of the colony, these restrictions were removed in 1872, subject only to medical control of recruitment in India. In 1870 complaints reached the Government of India of gross abuses in the treatment of emigrants in British Guiana. A commission of enquiry was appointed, and their report led to important legislation in the colony for the protection of Indian immigrants, which was subsequently extended to Trinidad. Owing to similar complaints from Natal and Mauritius, commissions of enquiry were also instituted in both these colonies, and their reports in 1873 brought to light a number of points requiring amendment.

Recent Legislation—In 1871 a fresh consolidating Act was passed (Act VII of 1871) by which the Act's regulating emigration to the French Colonies and two amending Acts to Act XIII of 1864 were incorporated in the general law. The question of revision of the law again came up for consideration in 1882, when several cases of kidnapping and other objectionable practices were reported to the Government of India. The opportunity was taken to depute two officials (Major Pitcher and Mr. Grierson) to ascertain, in the N.W.P. and in Bengal respectively, the way in which the system of recruitment actually worked, the respects in which it was open to improvement, and the attitude of the people towards emigration. Their reports were received by the Government of India, and finally in 1883 the law was again recast and consolidated by Act XXI of that year. This Act specifies the countries to which emigration is lawful, but empowers the Governor-General in Council to add to the list by notification, and also to prohibit emigration to any of the countries in the list on the ground of epidemic disease and/or excessive mortality among emigrants in such country, or on the ground that proper measures have not been taken for the protection of emigrants, or that the agreements made with them in India are not duly enforced. This Act with certain amendments of no importance to the system of indentured emigration remained in force until 1908, when a fresh revision of the law was undertaken.

Under the Act of 1908 (XVII of 1908) the countries to which emigration was lawful were the British Colonies of Mauritius, Jamaica, British Guiana, Trinidad, St. Lucia, Grenada, St. Vincent, Natal, St. Kitts, Nevis, Fiji, the Seychelles, the Netherlands Colony of Dutch Guiana and the Danish Colony of St. Croix. Emigration to St. Lucia, Grenada, St. Vincent, St. Kitts, Nevis, the Seychelles and St. Croix ceased soon after the passing of the Act, the demand for fresh labour having died out

Indians Overseas.

NUMBERS—The total Indian population resident in the countries to which Indians mainly emigrate for purposes of settlement, according to the latest available returns, is as follows —

Name of country		Indian population	Date of Information
<i>British Empire</i>			
1	Ceylon	6,50,577†	1932 Agent's Report
2	British Malaya*	6,24,009	1931
3	Hong Kong	2 555	1911
4	Mauritius	2,65,796	1931 Protector of Immigrants Report
5	Seychelles	332	1911
6	Gibraltar	50 (approximately)	1920
7	Nigeria	100	1920
8	Kenya	39,644	1931 (Census)
9	Uganda	13,026	1931 Census
10	Nyasaland	805	1926
11	Zanzibar	14,242	1931 Census
12	Tanganyika Territory	23,422	1931 Census
13	Jamaica	17,950	1932 Report of the Protector of Immigrants
14	Trinidad	1,40,689	1932 Do
15	British Guiana	1,34,059	1932 Do
16	Fiji Islands	78,975	1932 Report of Secretary for Indian Affairs
17	Basutoland	172	1921
18	Swaziland	7	1921
19	Northern Rhodesia	56 (Asiatics)	1921
20	Southern Rhodesia	1,700 (")	1931
21	Canada	1,22,911	1931 Census
22	Australia—		
	Western Australia	300	} 2 000 (approximately) 1922
	Southern Australia	200	
	Victoria	400	
	New South Wales	700	
	Queensland	300	
	Tasmania	100	
23	New Zealand	1,166	1932 Official Year Book
24	Natal	1,50,920	1933 Protector of Immigrants Report
25	Transvaal	15 747	} 1926 } Statistics of Immigration Department
26	Cape Colony	6,655	
27	Orange Free State	127	
28	Newfoundland		
<i>Foreign Countries</i>			
29	United States of America	3,175 (Asiatics)	1910
30	Madagascar	5,272 (Indians)	1917
31	Reunion	2,194	1921
32	Dutch East Indies	832,667 (Orientals, chiefly Chinese & Arabs) (say 50,000 Indians)	
33	Surinam	34,957	1920
34	Mozambique	1,100 (Asiatics and half castes)	
35	Persia	3 827	Not known
Total of Indians in Foreign Countries		100,525	1922
Total of Indians in British Empire		22,32,676	
Grand Total of Indians Overseas		23,33,201	

* Including Straits Settlements, Federated and Unfederated Malay States

† Indian Estate Labourers only

(c) Rights and disabilities of Indians domiciled overseas

These questions may be considered separately

Control of Emigration—So far as unskilled labour is concerned, the Government of India have assumed absolute powers of control. The terms of section 10 of the Emigration Act of 1922 are as follows—

"10 (1) Emigration, for the purpose of unskilled work, shall not be lawful except to such countries and on such terms and conditions as the Governor-General in Council, by notification in the *Gazette of India*, may specify in this behalf

"(2) No Notification shall be made under sub-section (1) unless it has been laid in draft before both Chambers of the Indian Legislature and has been approved by a resolution of each Chamber, either without modification or addition, or with modifications and additions to which both Chambers agree, but, upon such approval being given, the notification may be issued in the form in which it has been so approved"

Under this law emigration has been legalised to Ceylon on the following conditions—

(1) The emigrant shall—

(a) have been recruited by a person licensed for that purpose by and responsible to an officer (hereinafter called the Emigration Commissioner) appointed by the Government of Ceylon, or

(b) have applied direct to the Emigration Commissioner for an assisted passage and have been accepted by him.

(2) The emigrant shall not, before leaving British India, have entered into a contract of service for a period exceeding one month

(3) Within six months from the issue of this Notification, or within such further period as the Governor-General in Council may by notification appoint, the Legislature of Ceylon shall have enacted that any contract of service for a period exceeding one month entered into by an emigrant shall be void

(4) No part of the cost of his recruitment, subsistence during transport, or transport shall be recoverable from any emigrant and all expenses in this connection shall be defrayed from a common fund to be raised in such manner and managed by such agency as may appear suitable to the Colonial Government

(5) The Government of Ceylon shall at any time when so desired by the Governor-General in Council admit and give all facilities to an Agent appointed under section 7 of the Act

(6) Within one year of his arrival in Ceylon any emigrant who has been assisted to emigrate at the cost of the common fund referred to in clause (4) shall, on satisfying the Agent appointed under section 7 of the Act that his return to his home is desirable either on the ground of the state of his health or on the ground that the work which he is required to do is un-

suitable to his capacity, or that he has been unjustly treated by his employer, or for any other sufficient reason, be repatriated free of cost to the place of recruitment, and the costs of such repatriation shall be defrayed by the Government of Ceylon or the Ceylon Planters' Association

(7) If at any time there is no Agent appointed under section 7 of the Act, the Government of Ceylon shall appoint a person to perform the duties of the Agent as set forth in clause (6)

(8) Within six months from the issue of this Notification, or within such further period as the Governor-General in Council may by notification appoint, the Legislature of Ceylon shall have enacted that no payment made in India by a recruiter to an emigrant to enable him to pay off debts before emigrating shall be recoverable

(9) The Government of Ceylon shall furnish such periodical reports and returns as may be required from time to time by the Government of India in respect of the welfare of persons emigrating to Ceylon in accordance with this Notification.

Similar conditions have been imposed in the case of Malaya. Emigration was also permitted to Mauritius for a period of 1 year only with effect from May 1st, 1923, and limited to a number not exceeding 1,500 labourers. The terms were more onerous than in the case of nearer Colonies and the arrangement has now lapsed

Emigration to British Guiana for the purpose of unskilled work has also been declared lawful on the terms and conditions given below, but the date from which emigration is to commence has not yet been fixed—

Emigration to British Guiana—Emigration to British Guiana for the purpose of unskilled work shall be lawful with effect from such date as the Governor-General in Council may with the concurrence of the Governor of British Guiana notify in the *Gazette of India* on the following terms and conditions, which shall thereupon become operative—

(1) The family shall be the unit for the purposes of emigration. Not more than 500 families shall be permitted to emigrate and the number of persons included in the said 500 families shall not exceed 1,500

(2) The emigrants shall either have been recruited by a person licensed for that purpose by and responsible to an officer (hereinafter called the Emigration Commissioner) appointed by the Government of British Guiana, or have applied direct to the Emigration Commissioner for an assisted passage and have been accepted by him

(3) No part of the cost of his recruitment of subsistence during transport shall be recoverable from any emigrant and all expenses in this connection shall be borne by the Government of British Guiana or met from funds at their disposal

Emigration to Natal was discontinued from the 1st July 1911 as the Government of India were satisfied that it was undesirable to continue to send Indian labour to that country. Emigration to the French Colonies of Reunion, Martinique and Guadeloupe had been suspended prior to the passing of the Act of 1908 on account of repeated complaints of the inadequate precautions taken for the proper treatment and repatriation of the immigrants.

The labour laws of the several Colonies provide for the protection and welfare of resident Indian labourers. The Government of India also occasionally depute to the colonies their officers to report on the condition of Indian labourers. Deputations from India visited Fiji and British Guiana in 1921. In spite of all precautions certain social and moral evils had grown up in connection with the indentured system of emigration and Indian public opinion has during the last decade been strongly opposed to it. The whole system was exhaustively examined by the Government of India in 1915 in the light of the report received from Messrs McNeill and Chimanlal, and they arrived at the conclusion that the time has come when contract labour should be abolished. The Secretary of State for India accepted this policy and authorised the Government of India to announce the abolition of the indentured system and the announcement to this effect was made in 1916.

In 1922 a further step forward was taken in Act VII of 1922 which prohibited indentured emigration and all unskilled emigration, except to countries specially approved by the Legislature. Emigration to Ceylon and Malaya was brought under control, and the definition of "Emigrant" was extended to cover all persons "assisted" to depart from India.

References—The following is a list of the most important reports on questions connected with Indian Emigration that have been published during recent years—

1 Report of the International Commission appointed to enquire into the condition and treatment of British India immigrants in Reunion, 1879

2 Report on the system of recruiting coolies in the North Western Provinces and Oudh for the Colonies, 1883

3 Major Pitcher and Mr Grierson's report on the system of recruiting labourers in the North Western Provinces and Bengal for the Colonies, 1883

4 Report of the Natal Indian Immigrants Commission, 1885-87

5 Dr Comin's report on the proposed resumption of Emigration to Reunion, Martinique and Guadeloupe, 1892

6 Dr Comin's report on Emigration from the East Indies to Surinam, 1893

7 Mr Muir-Mackenzie's report on Emigration to Reunion, 1894

8 Mr Muir-Mackenzie's report on the condition of Indian immigrants in Mauritius, 1895.

9 Report of the Commissioners appointed to enquire into the question of Indian immigration, 1896

10 Lord Sanderson's Commission's Report on Emigration from India to the Crown Colonies and Protectorates, 1910

11 Report of the Indian Enquiry Commission South Africa, 1914

12 Messrs McNeill and Chimanlal's report on the condition of Indian Emigrants in the four British Colonies Trinidad, British Guiana or Demerara, Jamaica and Fiji, and in the Dutch Colony of Surinam, 1914-15

13 Marjoribanks' and Marakkayar's report on Indian labour emigrating to Ceylon and Malaya, 1917

14 South Africa Asiatic Enquiry Commission report, 1921

15 Report by Right Hon V S Sastri regarding his Dominion tour, 1923

16 India and the Imperial Conference of 1923 compiled by Director of Public Information, Government of India

17 Reports on the scheme for Indian emigration to British Guiana

18 Report by Kunwar Maharaj Singh on his deputation to Mauritius, 1925

19 Report by Kunwar Maharaj Singh on his deputation to British Guiana, 1926

20 Report by the Right Hon'ble V S Srinivasa Sastri, P C, regarding his Mission to East Africa in 1929

21 Annual Reports of the Agent of the Government of India in Ceylon for the year 1928, and onwards

22 Annual Reports of the Agent of the Government of India in British Malaya commencing 1928

23 Annual Reports of the Agent of the Government of India in South Africa for the year 1928 and onwards

Present Position—Indian emigration questions have recently taken on a wider aspect. The status of Indians in the Empire generally is one in which the Indian public now take keen interest. It is no longer possible to deal with the treatment of Indian labour apart from other classes of Indian emigrants and travellers. In several colonies and dominions considerable Indian communities have sprung up, which although composed largely of the descendants of indentured labourers, are themselves free and lawfully domiciled citizens of the countries in which they are settled, but have not yet been placed on a footing of legal, social, political and economic equality with the rest of the population. The issues round which public interest at present centres are three—

(a) Control of emigration

(b) Rights of Indians to admission to other parts of the Empire.

composition of its own population by means of restriction on immigration from any of the other communities

"(2) British citizens domiciled in any British country, including India, should be admitted into any other British country for visits, for the purpose of pleasure or commerce, including temporary residence for the purpose of education, such right shall not extend to a visit or temporary residence for labour purposes or to permanent settlement

"(3) Indians already permanently domiciled in the other British countries should be allowed to bring in their wives and minor children on condition (a) That not more than one wife and her children shall be admitted for each such Indian, and (b) that each individual so admitted shall be certified by the Government of India as being the lawful wife or child of such Indian "

The first paragraph of this resolution has regularized the various restrictions on immigration which the self-governing dominions have, from time to time adopted and which, without expressly differentiating against Indians are in practice used in order to check Indian immigration, the objections to which are stated to be not racial or political but economic. Australia prohibits the entry of any person who fails to pass a dictation test of not less than 50 words in any prescribed language. New Zealand prohibits the entry of any person who has not received in advance a permit from the Dominion Government which is refused to any person regarded as unsuitable to settle in the country. South Africa prohibits the entry of any person deemed by the Minister of the Interior on economic grounds or on account of his standard or habits of life to be unsuited to the requirements of the Union. Canada prohibits the landing of any person who has come to the Dominion otherwise than by continuous journey from the country of which he is a native and unless he possesses in his own right 250 dollars. Newfoundland and the Irish Free State impose no restrictions. All the self-governing Dominions have adopted special exemptions in favour of students, tourists and merchants visiting the countries for the temporary purposes of commerce, pleasure, or education. India on its side has assumed power to regulate the admission of immigrants from any other part of the Empire or foreign countries, by means of passports. A bill has also been passed by the Indian Legislature empowering the Government of India to make rules "for the purpose of securing that persons not being of Indian origin, domiciled in any British possession, shall have no greater rights and privileges as regards entry into and residence in British India, than are recorded by the law and administration of such possession to persons of Indian domicile." With regard to the Crown colonies and protectorates, the attitude of the Indian Government is that there is no justification for placing any restrictions on the immigration of British Indians, which are not placed on other classes of British subjects, and this principle has in practice been observed by the Colonial Office except in the case of Kenya colony where, as stated hereafter the British

Government has reserved to itself the right to impose restrictions on the immigration of classes of people whose entry into the colony may have an adverse effect on the economic evolution of the indigenous population

Rights and Disabilities of Indians Lawfully Domiciled Overseas—The policy of the Empire is summed up in the resolution of the Imperial Conference, 1921, which was recorded in the following terms—

"This Conference reaffirms that each Community of the British Commonwealth should enjoy complete control over the composition of its own population by restricting immigration from any of the other communities, but recognises that there is incongruity between the position of India, as an equal member of the Empire, and the existence of disabilities upon British Indians lawfully domiciled in some parts of the Empire, and this Conference, therefore, is of opinion that in the interests of the solidarity of the Commonwealth it is desirable that the rights of such Indians to citizenship should be recognised "

"The representatives of South Africa regret their inability to accept this resolution in view of the exceptional circumstances of the greater part of the Union. The representatives of India while appreciating the acceptance of this resolution, nevertheless feel bound to record their profound concern at the position of Indians in South Africa and hope that by negotiations between India and South Africa a way can be found as soon as may be to reach a more satisfactory position

The Right Hon'ble Srinivasa Sastri visited the Dominions of Australia, Canada, and New Zealand in the course of 1922 as the emissary of the Government of India to assist them in giving effect to this resolution. The main object of his mission was to appeal to the Governments and public of Canada and Australia fully to enfranchise qualified domiciled Indians. At the time of Mr Sastri's visit Indians resident in Queensland and Western Australia had neither the provincial nor the federal franchise. In Canada, Indians resident in British Columbia were and are still excluded from the dominion as well as the provincial franchise. While successful in securing a more sympathetic atmosphere towards Indians, Mr Sastri failed to bring about any modification in the existing electoral laws

The question of giving effect to the resolution of 1921 was raised by the Indian representatives at the Imperial Conference, 1923. Their proposal was as follows—

"Let the Dominion Governments who have an Indian population, let His Majesty's Government in the years under their direct control, such as Kenya, Uganda, Fiji and other places where there are Indians resident, appoint Committees to confer with a Committee which the Government of India will send from India and explore the avenues of how best and how soonest the principle of equality implicit in the 1921 Resolution may be implemented "

This proposal was favourably received by the Dominion Premiers, excluding General Smuts, and by the Secretary of State for the

(4) The Government of British Guiana shall at any time when so desired by the Governor-General in Council, admit and give all facilities to an Agent appointed under section 7 of the Act

(5) If at any time there is no Agent appointed under section 7 of the Act, or if the Agent is absent or unable to perform his duties, the Government of British Guiana shall at the request of the Governor-General in Council appoint a person to perform temporarily the duties of the Agent

(6) Prior to the arrival of the emigrants a Settlement Commission shall be appointed in British Guiana to select and prepare suitable agricultural land for the emigrants and generally to supervise their employment. The Agent referred to in clause (4) shall, on appointment, be a member of such Commission

(7) The Government of British Guiana shall offer to each family for its separate enjoyment a holding comprising not less than five acres of suitable agricultural land prepared for cultivation on the terms hereinafter set out in a locality which shall be healthy and shall have an adequate supply of good drinking water. All expenses in connection with the preparation of the holdings shall be borne by the Government of British Guiana and shall in no case be recoverable from an emigrant

The annual rent of the holding shall be fixed by the Settlement Commission at a rate not exceeding the lowest rate paid in the locality

After an emigrant has been in occupation of a holding for three years, he shall, provided that he has cultivated a portion of the holding either by himself or through some member of his family, be entitled to a grant of the holding on payment at any time during the ensuing four years of such fees not exceeding 24 dollars as may be fixed by the Settlement Commission

On the expiry of seven years from the date of the commencement of his occupation of a holding an emigrant shall acquire absolute ownership in the holding provided that he has paid the rent and fees referred to in the foregoing paragraphs of this clause and has brought under cultivation either by himself or by some member of his family half the area of his holding

(8) An emigrant on arrival in British Guiana shall be housed and maintained without charge by the Government of British Guiana for at least one month

(9) If any emigrant so requires loans shall be made to him for maintenance, house accommodation, payment of rent and for agricultural purposes generally. Free medical assistance and free skilled supervision shall be provided

(10) Any emigrant shall be entitled to repatriation at the expense of the Government of British Guiana to the place of his former residence in India on the expiry of 7 years from the date of his arrival in British Guiana

Any emigrant shall be entitled to repatriation at the expense of the Government of British Guiana to the place of his former residence in India on the expiry of more than 3 and not more than 5 years from the date of his arrival

in British Guiana on payment to the Government of British Guiana of half of the cost of his passage from his residence in India to British Guiana

Any emigrant shall be entitled to repatriation at the expense of the Government of British Guiana to the place of his former residence in India on the expiry of more than 5 and not more than 7 years from the date of his arrival in British Guiana on payment to the Government of British Guiana of quarter of the cost of his passage from his residence in India to British Guiana

(11) Notwithstanding anything contained in the last preceding clause the Government of British Guiana on the request of an Agent appointed under section 7 of the Act shall repatriate at its own expense and without any payment by or on behalf of the emigrant to the place of his former residence in India any emigrant at any time after his arrival in British Guiana

(12) An emigrant shall be at liberty at any time after his arrival in British Guiana to take up work or employment other than or in addition to the cultivation of a holding on lease from the Settlement Commission

(13) The ordinance enjoining compulsory education in British Guiana shall be enforced to the same extent in the case of Indian children as in the case of children belonging to other communities

(14) Boards of arbitration in regard to wages shall be established before the arrival of the emigrants and Indians shall be adequately represented on such boards

(15) Any Indian who has emigrated to British Guiana before the date of this notification and under any agreement in force at the date of this notification is entitled to an assisted return passage to India shall not be required to pay more than 25 per cent of the excess in the cost of his return passage and clothing over the cost of such passage and clothing at the time of his first arrival in the colony

(16) Any Indian who has emigrated to British Guiana before the date of this notification and has at the date of this notification become or thereafter becomes destitute shall be entitled to be repatriated to India at the expense of the Government of British Guiana without being further required to prove that he has become incapable of labour

(17) The Government of British Guiana shall furnish such periodical reports and returns as may be required from time to time by the Government of India in respect of the welfare of the persons emigrating to the Colony in accordance with this notification

Admission of Indians to Other Parts of the Empire—On the motion of the Government of India this question was discussed at the Imperial War Conferences, 1917 and 1918, and the policy accepted by the self governing dominions and the British Government was embodied in the following resolutions—

"(1) It is an inherent function of the Governments of the several communities of the British Commonwealth including India, that each should enjoy complete control of the

(c) That municipal bodies shall have the right to prohibit the license holder, or any other person, from residing in any shop, store or other place of business.

(9) There should be no relaxation in the enforcement of the Immigration Laws, and more active steps should be taken to deal with prohibited immigrants who have evaded the provisions of those laws.

(10) The administration of the Asiatic policy of the Government should be placed in the hands of one official, under whose charge would come all administrative functions, together with the official records relating to Asiatics. This officer should also be entrusted with the duty of securing full statistics regarding Asiatics in the Union and of the arrivals in and departures from South Africa. Details of all applications for trade licenses, and transactions in connection with the purchase of land and property made by Asiatics throughout the Union, should be sent to him in order to ensure the enforcement of the provisions of Section 8 of Act 22 of 1913.

On the other hand, he should keep in close touch with the various sections of the Indian community, see that the laws are applied in a just manner, give a ready ear to any complaints or grievances and generally safeguard their interests.

From the above it will be observed that the Commission recommended the retention of a law prohibiting the ownership of land by Asiatics in the Transvaal, and another of its recommendations, threatened the right which Indians had previously enjoyed of acquiring and owning land in the Uplands of Natal. Against this latter proposal the Government of India earnestly protested, but it was not accepted by the Union Government.

Present Position—Indians enjoy both the political and municipal franchise only in the Cape Province and the municipal franchise only in Natal. In the remaining two provinces they are not enfranchised. They are subjected to differential treatment in the matter of trading licenses, specially in the Transvaal. Their immigration into the Union is barred and severe restrictions exist on inter-provincial migration. In the Transvaal they are not allowed to acquire immovable property outside locations and on the Witwatersrand they are subject to the restrictions of the Gold Law.

The anti Asiatic party have made several efforts, especially in Natal, further to curtail the rights of Indians. Some of these are merely irritating social disabilities, such as railway regulations debarring Indians from travelling in any other carriages except those reserved for them, and similar rules restricting their use of tramways at Durban, and excluding them from race courses and betting club rooms. Examples of recent anti-Asiatic legislation of major importance are:

(a) The Natal Rural Dealers Licensing Ordinance, transferring the power of granting trading licenses from the Licensing Officer to an elected Licensing Board, on which Indians may not sit.

(b) The Durban Land Alienation Ordinance. This Ordinance, which enables Municipalities in selling land to assign it for particular communities, and to that extent to secure segregation,

has been allowed on condition that Asiatics are given reasonable opportunity for acquiring adequate residential sites.

Anti-Asiatic feeling in South Africa—A bill for the 'segregation of Asiatics' known as the Class Areas Bill was introduced in the Union Assembly in March 1921, which though not specifically directed against Indians, contained provisions which could be used for the compulsory segregation of all Asiatics in certain areas. Indian opinion was deeply agitated over the prospect of this legislation which it was apprehended might in the existing state of public opinion in South Africa result in the economic ruin of a large number of Indian traders in the Union. In response to the vigorous protests made by the Government of India the Union Government gave an assurance that it was their desire and intention to apply the measure if it became law in a spirit of fairness to the interests and reasonable requirements of resident Indians. The Government of India whilst welcoming the assurance were unable to rest satisfied with this position and made every effort to persuade the Union Government to abandon the project. For the moment they succeeded, as in consequence of the unexpected dissolution of the South African Parliament the bill lapsed but the Union Government thereafter appointed a committee to inquire for some other country in the world which would be suitable for Indian immigration and to be a home for Indians going from South Africa. The report of the committee is awaited.

In Natal an Ordinance was introduced in the Provincial Council in 1921 dealing with the township franchise to the detriment of the Indian community. It was again introduced in 1922 and in a modified form in 1923 but in each instance the Union Government withheld its approval. In 1923, the Union Government itself introduced a measure entitled "The Class Areas Bill," containing provisions which could be used in urban areas for the compulsory segregation of Asiatics. Indian opinion was deeply exercised over the prospects of this legislation, despite the assurance of the Union Government that it desired to apply the measure in a spirit of fairness to the interests and reasonable requirements of Indian residents. But in consequence of the unexpected dissolution of the South African House of Assembly in April, 1924, the Bill lapsed. Towards the end of December 1924, news was received that the Government of South Africa had given its consent to the Natal Borough Ordinance. This measure while safeguarding the rights of Indians already on the electoral roll of Boroughs, prevents further enrolment of Indians as burgesses. Similarly the Natal Township Franchise Ordinance (No. 3 of 1925) was passed to or to render Indians ineligible for Township Franchise in future. Further, towards the end of January 1925 news was received that the Union Government had gazetted a Bill to amend the Mines and Works Act in order to take powers to refuse certificates of competency to natives or Asiatics in certain occupations. The Government of India made suitable representations in the matter to the Union Government and the Select Committee to which the measure was referred altered its wording so as not to refer to Asiatics and natives directly. The Bill as amended by the Select

Colonies who cordially agreed that there should be full consultation and discussions between him and a Committee appointed by the Government of India upon all questions affecting British Indians domiciled in British Colonies and protectorates and mandated territories. In pursuance of the proposal, the Government of India appointed a Committee in March 1924 composed of Mr J Hope Simpson, M.P., *Chairman*, H H the Aga Khan, Sir B Robertson, Diwan Bahadur T Rangachari, M.A., and Mr K C Roy with Mr R B Ewbank, C.I.F., I.C.S., as Secretary to make representations to the Colonial Office on certain outstanding questions affecting Indians in Kenya and Fiji. The Committee assembled in London early in April 1924 and dispersed towards the end of July. During this period they had several interviews with the Secretary of State for the Colonies and the officials of the Colonial Office, in which they made representations upon a variety of important matters affecting Indians in Kenya, in Fiji and in the mandated territory of Tanganyika. In regard to Kenya, the representations covered all questions of interest to Indians dealt with in the decision of His Majesty's Government. The result of these representations was announced by Mr J H Thomas in the House of Commons on August 7th, 1924. The situation in Kenya also improved as a result of the work of the committee by the decision of the Indian community to relinquish their former attitude of non-co-operation and to accept an arrangement by which they will select five members to be nominated by the Governor to the Legislative Council. The result of the representations which the Committee made on certain outstanding questions relating to Indians in Fiji was announced on January 12th, 1927, when the Government of India published the more important papers relating to the negotiations which had been going on with the Colonial Office for some time.

Summary of present Position—Outside Australia, N Zealand and Canada the position stands as follows —

(1) **South Africa**—The main grievances of Indians, which led to a passive resistance movement headed by Mr Gandhi, were settled by the compromise embodied in the Indians Relief Act, 1914 and by the guarantee known as the Smuts Gandhi agreement. The substance of this agreement is embodied in the following extracts from letters —

(i) Mr Gorges, Secretary for the Interior, to Mr Gandhi, June 30th, 1914. "With regard to the administration of existing laws, the Minister desires me to say that it always has been, and will continue to be, the desire of the Government to see that they are administered in a just manner and with due regard to vested rights."

(ii) Mr Gandhi to Mr Gorges, July 7th, 1914

"By vested rights I understand the right of an Indian and his successors to live and trade in the township in which he was living and trading, no matter how often he shifts his residence or business from place to place in the same township."

This has been officially interpreted to mean "that the vested rights of those Indians who were then living and trading in townships whether in contravention of the law or not should be respected."

In 1920 an Asiatic Enquiry Commission was appointed to investigate the grievances of Indians regarding their rights to trade and hold land in the Union. Their main recommendations were as follows —

(1) Law 3 of 1885 (Transvaal), the Gold Law of the Transvaal (Act No 35 of 1908) and Act No 37 of 1919 should not be repealed.

(2) There should be no compulsory repatriation of Asiatics, but

(3) Voluntary repatriation should be encouraged.

(4) There should be no compulsory segregation of Asiatics, but

(5) A system of voluntary separation should be introduced under which municipalities should have right, subject to certain conditions —

(a) to lay out residential areas for Asiatics

(b) to set aside certain streets or portions of the town for Asiatic traders to which existing license holders should gradually be attracted

(6) These areas should be selected and allocated by a board of independent persons in consultation with the Municipal Council and Asiatic community

(7) In Natal the right of Asiatics to acquire and own land for farming or agricultural purposes outside townships, should be confined to the coast belt, say, 20 to 30 miles inland

(8) A uniform "License Law" applicable to all the Provinces of the Union should be possible, be enacted. If that is impracticable, the law relating to the issue of Trade Licenses in the Cape Province, the Transvaal and Natal should be assimilated in a comprehensive consolidating Act of Parliament providing, *inter alia* —

(a) That the granting of all licenses to trade (not being liquor licenses) shall be entrusted to municipal bodies within the area of their jurisdiction, outside those areas, to divisional Councils in the Cape Province, and in the other Provinces to special Licensing Officers appointed by the Administrator

(b) The grounds upon which an application for the grant of a new license may be refused

(c) That the reasons for the refusal to grant any license shall be recorded, together with any evidence tendered for or against the application

(d) That, in the case of the refusal of a license on the ground that the applicant is not a fit and proper person to hold the same or to carry on the proposed business, there shall be a final appeal to a Special Appeal Board, appointed by the Administrator,

- (8) The Government of the Union of South Africa have requested the Government of India to appoint an Agent in the Union in order to secure continuous and effective co-operation between the two Governments

In India, the settlement was on the whole well received. In South Africa the more responsible newspapers, both English and Dutch, e.g., the "Cape Times" and "Die Burger," paid handsome tributes to both delegations for the statesmanship which they had brought to bear on their work, and the eminently reasonable and practical character of the results achieved by them. The majority of people in both countries doubtless regard it as a good first step in the solution of a complicated problem and the spirit, of which it is the outcome, as the best guarantee of a progressive and friendly adjustment honourable to both parties.

The friendly relations which were happily established between the Government of India and the Union Government of South Africa as a result of the agreement not only continue but have grown in warmth and sincerity. The Government of India sent out as their first Agent in South Africa the Right Hon'ble Srinivasa Sastri, P.C., who was a member of the Government of India's Delegation to the Cape Town Conference. His appointment was received with universal approval both in India and South Africa, the satisfaction felt by the Union Government being indicated by their decision, as an act of grace to make his appointment, to extend an amnesty to all Indians illegally present in the Union. On their part the Union Government after the ratification of the Agreement by the two Governments, lost no time in introducing legislation to give effect to their undertakings under it, so that when Mr. Sastri arrived in South Africa in June 1927 all that remained to be done was to take action under Part III of the Agreement relating to the measures required for the upliftment of the Indian community. Most of the provisions of this part concern the Province of Natal where the bulk of the Indian population of the Union is resident, and the Union Government were not slow in moving the Provincial Administration to appoint a Commission to enquire into the condition of Indian education in that province and to devise the means necessary for its improvement. Co-operation with this Commission on the part of the Government of India was provided by the Deputation from India of two educational experts—Mr. K. P. Kichlu, I.E.S., Deputy Director of Education in the United Provinces, and Miss C. Gordon, B.E. (Edin.), Madras Educational Service, Lecturer in Kindergarten methods at the Government Training College at Saidapet, to advise and assist the Commission in its investigations and deliberations.

A notable feature of the present situation was the marked spirit of friendliness and goodwill which now animates the Union Government in dealing with all problems affecting the domiciled Indian community. An example of this occurred in the year 1927 when a measure was introduced in the Union Parliament known as the Liquor Bill, clause 104 of which purported

to prohibit the employment of Indians on any licensed premises—hotels, clubs, breweries etc. The appearance of this clause which threatened the livelihood of 3,000 Indians engaged in such occupations, caused consternation among them and the Minister in charge decided to withdraw the clause from the scope of the Bill.

Much of the credit for the salutary measures referred to and the spirit of friendliness which they denote were due to the Right Hon'ble Mr. Sastri, the Agent of the Government of India in South Africa, whose tact and honesty earned for him the confidence of the European community, official and non-official alike and an increasing measure of their sympathy and assistance in furtherance of the Indian cause. Gratifying response was made by the Indians to this appeal for £20,000 for the purpose of opening a combined Teachers' Training and High school in Durban. The institution which meets an urgent need for Indians in the Union of South Africa was opened on October 14th, 1922, by His Excellency the Earl of Athlone, Governor General of South Africa. It is known as the Sastri College and has on its staff six fully qualified Indian teachers recruited in India.

In India the Government of India have appointed officers to look after repatriates and their personal property immediately upon their return from South Africa, to arrange for their despatch to their homes and, if possible, to find them employment for which they may be suited.

Early in 1929, the Rt. Hon. V. S. Srinivasa Sastri retired on the expiration of his period of appointment, and Sir Kurma Venkata Reddi, Kt., was chosen as his successor. In December 1929, sudden and serious illness compelled Sir Kurma Reddi to return to India on sick leave. During the time he held his post, Sir Kurma amply justified his selection to this important office. Sickness having compelled him to retire, Kunwar Sir Maharrj Singh, Kt., C.I.E., M.A., Barrister, has appointed to succeed him.

Early in February 1930 the Government of the Union of South Africa set up a Select Committee of the House of the Assembly to enquire into certain questions relating to the right of Indians to occupy and own fixed property in the Transvaal and to propose such legislation to the House as it might deem fit. This decision was the result of a number of recent judicial judgments bearing upon the occupation of premises on proclaimed grounds in the Transvaal by persons belonging to the native races of Asia and to the wide spread belief that the intentions of the Union Parliament as indicated in Act 37 of 1919 which purported to prohibit the acquisition of immovable property by Asiatics subsequent to its coming into operation were being systematically defeated. As the labours of the Committee were likely to affect important Indian interests, and as Sir Kurma Reddi was on leave in India the Government of India deputed Mr. C. D. Tyson, I.C.S., to make suitable representations to the Committee for safeguarding legitimate Indian interests and to give the Indian community in the Transvaal such assistance as it might need for placing its views before the Committee. The Committee's conclusions which were embodied in a Bill and its Report were placed on the table of the Legislative Assembly of the Union on the 13th May and the Bill prepared by them was

Committee was passed by the Union Assembly but rejected by the Senate. In January 1926 it was reintroduced and in May it was adopted in a joint Session of the Senate and the Assembly by eighty-three votes, to sixty seven. In reply to representations made by the Government of India they were informed that there was no present intention on the part of the Union Government of extending regulations beyond the position as it existed prior to the judgment of the Transvaal Provincial Division of the Supreme Court in the case *Rex versus Hildich Smith* when it was held that certain regulations with reference to mines and works which have actually been in force in the Union of South Africa since 1911 and in certain provinces for many years before that date were not valid under sections of the Act in terms of which they were promulgated. The Government of India were assured that should any such extension of the scope of these regulations be contemplated in future every reasonable opportunity will be given to all the parties in the Union interested in the matter to make representations.

In July 1925, a more comprehensive Bill, known as the Areas Reservation and Immigration and Registration (Further Provision) Bill, was introduced in the Union Assembly. The Government of India made effective representations against the provisions of this Bill both on grounds of principle as well as of detail.

Deputation to S Africa

Towards the end of November 1925, the Government of India, with the concurrence of the Government of South Africa, sent a deputation to South Africa the personnel of which was as follows —

G F Paddison, Esq, CSI IOS, Commissioner of Labour, Madras—*Leader*

Hon'ble Syed Raza Ali, MOS—*Member*
Sir Deva Prasad Sarvadikary, Kt, CIE—*Member*

G S Bajpai, Esq, CBE, IOS—*Secretary*

The main purpose of the deputation was to collect as soon as possible first hand information regarding the economic condition and general position of the resident Indian community in South Africa and to form an appreciation of the wishes and requirements of the Indian community in South Africa. This deputation was followed by a return visit to India of a Parliamentary deputation from the Union Government of which the following were members —

The Hon'ble F W Beveridge, Minister of Mines and Industries, Patrick Duncan, KC, CMG, Messrs A C Fordom, J S Marwick, G Reyburn, O S Vermooten, W H Reid, and J R Hartshorne. As a result of the investigations of these deputations, the Government of India and of the Union arranged for a meeting in the Union of a further delegation from India to explore every possible avenue, in order to arrive at a satisfactory solution of the Indian problem.

The Indian delegation whose members were Sir Muhammad Habibullah, the Hon'ble Sir Phiroze Sethna, Sir Darcy Lindsay, Sir G S Paddison, the Rt Hon'ble Srinivasa Sastri, Mr G L Corbett and Mr G S Bajpai, assembled in Conference with the Parliamentary deputation in Cape Town on the 17th December 1926. At the Session which lasted until the 11th January 1927, the contentious differences were discussed by the delegates freely and openly and in a spirit of determination to find a satisfactory solution of the outstanding difficulties. At the close of the Conference the delegates were therefore able to recommend the following articles, which were unhesitatingly approved of by the respective Governments, as a basis of agreement —

- (1) Both Governments reaffirm their recognition of the right of South Africa to use all just and legitimate means for the maintenance of Western Standard of life
- (2) The Union Government recognize that Indians domiciled in the Union, who are prepared to conform to Western Standards of life, should be enabled to do so
- (3) For these Indians in the Union who may desire to avail themselves of it, the Union Government will organise a scheme of assisted emigration to India or other countries where western standards are not required. Union domicile will be lost after three years' continuous absence from the Union in agreement with the proposed revision of the law relating to domicile, which will be of general application. Emigrants under the assisted Emigration Scheme, who desire to return to the Union within the three years, will be allowed to do so only on refund to the Union Government of the cost of the assistance received by them
- (4) The Government of India recognise their obligation to look after such emigrants on their arrival in India
- (5) The admission into the Union of the wives and minor children of Indians permanently domiciled in the Union will be regulated by paragraph 3 of Resolution XXI of the Imperial Conference of 1918
- (6) In the expectation that the difficulties with which the Union has been confronted will be materially lessened by the agreement which has now happily been reached between the two Governments and in order that the agreement may come into operation under the most favourable auspices and have a fair trial, the Government of the Union of South Africa have decided not to proceed further with Areas Reservation, Immigration and Registration (Further Provision) Bill
- (7) The two Governments have agreed to watch the working of the agreement now reached and to exchange views from time to time as to any changes that experience may suggest,

read in the House for the first time on the 14th of that month. As soon as copies of the Bill and the Select Committee's Report reached the Government of India, they made pressing representations to the Government of the Union to allow adequate time for careful examination of the far-reaching provisions of the measure which the Select Committee had prepared. Their representations were not without effect and the Union Government decided to postpone further consideration of the Bill until the next session of the Union Parliament early in 1931.

The bill did not, however, come up before the Union Parliament in 1931, as the Union Government agreed to postpone it further until after the conference between their representatives and the representatives of the Government of India in connection with the revision of the Cape Town Agreement of 1927. This Conference was held at Cape Town in January-February 1932. The Government of India delegation was led by the Honourable Sir Fazl-i-Husam, the other members being the Rt Honourable V S Srinivasa Sastri, Sir Geoffrey Corbett, Sir Percy Lindsay, Mrs Sarojini Naidu, Mr G S Bajpai, and Sir K V Reddi.

The results of the Conference were announced simultaneously in India and South Africa on the 5th April, 1932. As regards the Cape Town Agreement of 1927, the following statement was made —

1 "In accordance with paragraph 7 of the Cape Town Agreement of 1927 delegates of the Government of the Union of South Africa and of the Government of India met at Cape Town from January 12th to February 4th, 1932, to consider the working of the Agreement and to exchange views as to any modifications that experience might suggest. The delegates had a full and frank discussion in the Conference which was throughout marked by a spirit of cordiality and mutual good-will.

2 Both Governments consider that the Cape Town Agreement has been a powerful influence in fostering friendly relations between them and that they should continue to co operate in the common object of harmonising their respective interests in regard to Indians resident in the Union.

3 It was recognised that the possibilities of the Union's scheme of assisted emigration to India are now practically exhausted owing to the economic and climatic conditions of India as well as to the fact that 80 per cent of the Indian population of the Union are now South African-born. As a consequence the possibilities of land-settlement outside India, as already contemplated in paragraph 3 of the Agreement, have been further considered. The Government of India will co operate with the Government of the Union in exploring the possibilities of a colonisation scheme for settling Indians, both from India and from South Africa, in other countries. In this investigation, which should take place during the course of the present year a representative of the Indian community in South Africa will, if they so desire, be associated. As soon as the investigation has been completed the two Governments will consider the results of the enquiry.

4 No other modification of the Agreement is for the present considered necessary."

The Union Government, as already mentioned in an earlier paragraph, took action to implement the first part of paragraph 3 of the statement. No suggestions in regard to the exploration of the possibilities of a colonisation scheme for settling Indians both from India and South Africa, in other countries have so far been reported. The South African Indian Congress decided to appoint a delegate to the committee of investigation on certain conditions. The Committee's report is awaited.

As regards the Transvaal Asiatic Land Tenure Act, certain changes were made which, broadly speaking, had the effect of further safeguarding Indian rights than was expected at the time when the results of the Conference were announced in India. These modifications were explained to the Members of the Indian Legislative Assembly in the following statement which was made on the 12th September, 1932 —

Clause 5 of the original Bill, which sought to segregate Asiatics by provision for the year marking of areas for the occupation or ownership of land exclusively by Asiatics, has been deleted. Instead, the Gold Law has been amended to empower the Minister of the Interior, after consultation with the Minister of Mines, to withdraw any land from the operation of sections 130 and 131 of the Gold Law in so far as they prohibit residence upon or occupation of any land by coloured persons. This power will be exercised, after inquiry into individual cases by an impartial commission, presided over, by a judge, to validate present illegal occupations and to permit exceptions to be made in future from occupational restrictions of the Gold Law.

Fixed property acquired by Asiatic companies up to 1st May 1930, in which the controlling interest was nominally in the hands of Europeans but *de facto* in the hands of Asiatics of which stood lawfully registered in favour of an individual Asiatic on the same date and fixed property held through European trustees immediately prior to the 15th May 1930 will all be protected. Shares held by an Asiatic or Asiatic Company in a private company which in the terms of the original Bill, would have been forfeited to the State if the company acquired any fixed property after the 1st May 1930, are protected, provided that they were held by an Asiatic on the 1st May 1932 and have not been transferred by him since that date and they will be heritable by one Asiatic from another who lawfully holds them.

The provision in the original Bill, which declared illegal the occupation of any fresh 'land' after 1st May 1919 in the same township by an Asiatic, has been made applicable from the 1st May 1930. Extensions made between the 1st May 1919 and 1st May 1930 are protected.

In areas, like Springs, which, according to a judicial pronouncement, were not formerly subject to the restrictive provisions of the Gold Law, but which have now been brought under those restrictions, Indians who were lawfully residing on or occupying land on the 1st May 1930, will have their right of residence or occupation protected and will also be able to transfer the right to their lawful successors in title.

their services are understood to have been greatly appreciated by the resident Indian communities. The personnel of the Commission was announced by the Secretary of State for the Colonies on November 14th 1927 and was as follows — The Right Hon'ble Sir Edward Hilton Young, P.C. G.B.L., D.S.O. D.S.C. M.P. (*Chairman*), Sir Reginald Mait, K.C.I.L. C.S.I., Sir George Schuster, K.C.M.G., G.B.L., M.C., and Mr G. H. Oldham, *Members* with Mr H. I. Downie (*Secretary*). The Commission left England on December 22nd 1927, and travelled via the Nile to Uganda and thence to Kenya, Tanganyika, Zanzibar, Nyasaland, and Northern Rhodesia, visiting the chief centres and hearing the views of representatives of different sections of the community. The Commission also visited Salisbury for the purpose of conferring with the Government of Southern Rhodesia. The report of the Commission was published on the 18th January 1929.

It was examined by the Government of India in consultation with the Standing Immigration Committee of the Indian Legislature and with prominent representatives of all parties in the Legislative Assembly, who were not members of the Committee. The tentative conclusions reached by Government on the main recommendations in the Report were set out in a telegram to the Secretary of State for India of the 19th March 1929, which was published in India in September 1929.

In March 1929, the Secretary of State for the Colonies sent out Sir Samuel Wilson, Under Secretary of State for the Colonies, to East Africa to discuss the recommendations of the Hilton Young Commission for the closer union of Kenya, Tanganyika and Uganda (and such possible modification of these proposals for effecting the object in view as may appear desirable) with the Governments concerned and also with any bodies or individuals representing the various interests and communities affected, with a view to seeing how far it may be possible to find a basis of general agreement. Sir Samuel was also directed to ascertain on what lines a scheme for closer union would be administratively workable and otherwise acceptable and to report the outcome of his consultations. At the invitation of the Secretary of State for the Colonies, the Government of India deputed the Rt. Hon. V. S. Srinivasa Sastri, P.C., to East Africa to help the local Indian communities to state their views to Sir Samuel Wilson on matters arising out of the Hilton Young Commission's Report and to be at Sir Samuel Wilson's disposal if he wished to make use of him in dealing with the Indian deputations.

Mr Sastri left India in April and returned in June 1929. In the Report presented by him on his return he recommended that the Government of India should—

- press for inquiries as to the basis of a civilisation franchise which shall be common to all races alike,
- invoke the good offices of the Colonial Office and of the Government of Kenya in securing the consent of the European Community to the establishment of a common roll,

- oppose the grant of responsible Government to Kenya or of any institutions leading up to it,
- oppose the establishment of a Central Council on the lines proposed by Sir Samuel Wilson;
- demand, in case of the establishment of some such body that the unofficial representatives from each province should include an adequate number of Indians,
- advocate the continuance of the official majority in the Legislative Council of Kenya,
- demand that the representation of natives in the Kenya Legislative Council should be by natives or by Europeans and Indians in equal proportions.

In September 1929 the Indian Delegation from East Africa was received by Sir Fazl-i-Husain, Member in charge of the Education, Health and Land Department of the Government of India at Simla. The delegation was represented by Mr J. B. Pandya, Mr C. P. Datta and Mr Iswari Das from East Africa and Pt. H. N. Kunzru and Sir Purshotamdas Thakurdas, M.L.A.s, Sir Frank Noyce, Secretary, and Mr A. B. Reid, Joint Secretary in the L. H. Department, were also present.

Sir Fazl-i-Husain welcomed the delegation and requested them to tell him in what matter they wished the Government of India to help them. The delegation stated 'the views of the Indian Communities in East Africa on the matters arising out of the Hilton Young Commission's Report which in their judgment most vitally affected Indian interests. The statement made by the delegation related principally to the question of common franchise in Kenya, the representation of the natives of the country on the Council, the Federation of the several territories in East Africa along the lines suggested in the report, the reservation of land in Kenya for the settlement of Indians, the residential segregation of Indians in Kenya, the appointment of an Indian Trade Commissioner in East Africa, the improvement of educational facilities for Indians in East Africa, the appointment of Indians in the higher public services there and the better political representation of Indian interests in Uganda and Tanganyika. The delegation also requested the Government of India to nominate a representative to accompany the Deputation which they propose to send to London shortly to put the Indian case before His Majesty's Government before they pass any orders on the Hilton Young Commission's Report.

Sir Fazl-i-Husain thanked the delegation for their interesting statement, but said that, before he could make any statement on the attitude of the Government of India in regard to the points advanced by the delegation or reply to their request for the nomination by the Government of India, of a representative to accompany the proposed deputation to London, he would like the members of the delegation to attend the meeting which the Government of India had arranged to hold upon the 14th September, with leading members of the Legislature and the

(1) IMMIGRATION—My position is that if danger ever arises of such an influx of immigrants, of whatever class, race, nationality or character, as may likely be prejudicial to the economic interest of the natives, I hold myself entirely free to take any action which may be necessary. Conflicting statistics which have been laid before me have not enabled me to reach a definite conclusion as regards the extent of net Indian immigration. Accordingly steps will be taken to create a statistical department to obtain accurate information with regard to persons of all races arriving in or departing from Kenya. Meanwhile the Kenya Immigration Ordinance will not be enacted.

(2) FRANCHISE—I have given careful consideration to representations in favour of a common poll, but I am not prepared to resist the conclusion already arrived at that in the special circumstances of Kenya, with four diverse communities, each of which will ultimately require electoral representation, the communal system is the best way to secure the fair representation of each and all of these communities.

(3) HIGHLANDS—I consider that the Secretary of State for the Colonies has no alternative but to continue pledges, expressed or implied, which had been given in the past, and I can hold out no hope of the policy in regard to agricultural land in the Highlands being reconsidered.

(4) LOWLANDS—It was proposed to reserve an area in the lowlands for agricultural immigrants from India. The Committee made it plain that it is averse from any reservation of land for any immigrant race, subject to the suggestion that before applications for land in lowland areas are invited an opportunity should be taken of sending an officer experienced in Indian settlement and agricultural methods to report on the areas. At present any consideration of the matter is in suspense pending receipt from the colony of reports from the native and agricultural points of view on the areas in question.

With regard to the announcement in connection with "Lowlands" the question of deputing an officer to examine these areas was considered by the Government of India who thought it inadvisable to proceed any further with the idea.

The work of the Colonies Committee did much to abate the bitterness which existed in the relations between the different classes of settlers in Kenya, and the situation was further improved by the decision of the Indian community to relinquish their attitude of non-cooperation and to select five members for nomination by the Governor to the Legislative Council.

In June 1924, His Majesty's Government announced the appointment of an East African Committee, under the Chairmanship of Lord Southborough, to consider and report on certain questions regarding the administration and economic development of British East African dependencies. Since this enquiry was likely to affect Indian interests, the Government of India urged that the Indian point of view should be

heard before the Committee came to any conclusions. This request was granted, but further action in the matter was suspended, pending the publication of the report of the Commission presided over by Major Ormsby Gore which visited East Africa to enquire into certain aspects of the questions referred to the Southborough Committee. The report of the Ormsby Gore Commission was published in the United Kingdom on May 7th, 1925. On June 9th, Major Ormsby Gore announced in the House of Commons that, in view of the completeness of the report presented by the Commission which, under his chairmanship, had visited East Africa, His Majesty's Government had decided that the Southborough Committee should not resume its sittings.

In November 1926, information reached the Government of India, that the Government of Kenya contemplated undertaking legislation at an early date in order to make the European and Indian communities responsible for the net cost of their education. It was originally intended to give effect to this decision by levying from Europeans a tax on domestic servants in their employ and from Indians a poll tax. The Indian community resented this differentiation and, ultimately, the Colonial Government decided that both communities should pay the same form of tax, viz., an adult poll tax. For Europeans this has been fixed at 30 shillings and for Indians at 20 shillings. An Ordinance giving effect to this decision was passed by the Kenya Legislative Council and came into force from 1st January, 1927.

In view of the issue of another White Paper in July 1927 in which it was announced that His Majesty's Government had authorised the Secretary of State for the Colonies to send to Africa a special Commission to investigate the possibility of securing more effective co-operation between the Governments of Eastern and Central African Dependencies and make recommendations on this and cognate matters, the question regarding the position of Indians in Kenya again came to the forefront.

The announcement excited serious apprehensions in India with regard to the future position of Indians in those Colonies. A deputation drawn mainly from both houses of the Indian Legislature also waited on His Excellency the Viceroy on the 17th September, 1927, and represented the position of Indians in East Africa. One of the suggestions made by the deputation was that permission may be given for a small deputation appointed by the Government of India to go over to East Africa in order—

- (a) to make a general survey of these territories in relation to Indian interests there and
- (b) to help the resident Indian community in preparing their evidence for the Commission.

The Government of India readily accepted this suggestion and, with the approval of His Majesty's Government, sent Kunwar Maharaj Singh, CIE and Mr R. B. Ewbank, CIE, ICS, to East Africa. These officers visited Kenya, Uganda, Zanzibar and Tanganyika and

The labour troubles in Fiji in the years 1920-21 had produced an unexpected result in India. The Government of Fiji cancelled the indentures of Indian labourers, as from January 1920, while arrangements were made for the early repatriation of such of them as desired to return to their own country. In consequence, large numbers left Fiji. Many arrived in India comparatively destitute, while others, who were colonial born or whose long residence in the colonies had rendered them unfit for the old social conditions, found themselves utterly out of place—indeed foreigners—in their own country. Returned emigrants from other colonies also, being in difficulties owing to the unfavourable economic situation in India, strongly desired to return to the territories from which they had come. During the early part of 1921 from all parts of India there was a steady drift of destitute and distressed labourers in the direction of Calcutta where they hoped to find ships to take them back to the colonies in which they were certain of work and livelihood. At the earnest representation of the Fiji Government, and after full consultation with representative public men, arrangements were made to relax the emigration restriction in favour of those Indians who were born and had property in any colony, as well as of such near relations as they desired to take with them. Admirable work was done among these distressed persons by the Emigrants Friendly Service Committee which had been formed primarily to deal with the applications of repatriated Indians desirous of returning to Fiji. The Government of India gave discretion to this Committee to permit persons who could prove that they had been in Fiji to return there if they so desired. The local labour conditions stimulated the return of these unfortunate people by giving them assisted passages. The Legislative Assembly had made a grant of £1,000 for the maintenance of these labourers, until such time as they were able to find work and settle down in India. The deputation from India left Fiji on the 3rd April, 1922, and submitted its report to the Government of India. It has not been published.

In February, 1929, Letters Patent under which the constitution of the Fiji Legislative Council was revised were issued. Provision was made, *inter alia*, for the election of three Indian members on a communal basis. On the 4th November, 1929, one of the Indian members moved a resolution recommending the adoption of a common electoral roll in place of the existing communal one. The resolution was supported by the three Indian members and opposed by the rest of the Council including the elected European and nominated Fijian members. As a protest against this vote, all three Indian members resigned their seats and, no Indian having subsequently offered himself for election, the seats remained unfilled throughout the life of the Council. A fresh election was held during 1932 and as a result two Indian constituencies have returned their representatives to the Council, but no candidate offered himself for election from the third constituency. It is understood that two subsequently elected members also withdrew from the Council owing to the decision of the Secretary of State for the Colonies that the introduction of a common electoral roll in Fiji is impracticable at present.

British Guiana—The Indian population in this colony belong almost entirely to the labouring classes and their grievances are mainly economic. Towards the end of 1919, a deputation consisting of the Hon'ble Dr J. J. Nunan, Attorney General, and Mr J. A. Luckhoo, a prominent Indian who was a member of the combined court, visited India to put forward a scheme for the colonization of British Guiana by means of emigration from India. This was examined by a Committee of the Indian Legislature, which advised that a deputation be sent from India to investigate conditions on the spot. Owing to certain unforeseen circumstances it was not found possible to proceed with the proposal until 1922, when a deputation consisting of Messrs Pillai, Keatinge and Tivary visited British Guiana. Mr Keatinge was a former member of the Indian Civil Service who had retired from the post of Director of Agriculture, Bombay, D. W. in Bahadur P. Kesava Pillai was an elected member of the Madras Legislative Council of which he was also Vice-President, and Mr Tivary was a member of the Servants of India Society who had done considerable amount of Social Welfare Work among the Depressed Classes in the United Provinces. The two reports of the deputation were published on the 21st of January, 1924. Towards the end of the month a deputation from the Colony of British Guiana, consisting of Sir Joseph Nunan, Kt and the Hon. Mr J. C. Luckhoo, K.C., arrived in India for further discussions. The Standing Emigration Committee of the Indian Legislature eventually reported that while they would be inclined to view with favour the colonization scheme put forward by the deputation, they would, before making any definite recommendation, like the Government of India to depute an officer to British Guiana to report on certain matters. Kunwar Maharaj Singh, M.A., C.I.L., Bar at Law, was deputed for this purpose. He proceeded to that Colony in September 1925. His report was received on February 1st, 1926 and published. He made certain criticisms and suggestions and the whole matter was thus satisfactorily settled. The colonization scheme has not yet come into operation as the Colonial Government are not in a position at present to afford the cost which it involves.

In March, 1928, following special inquiries by the Colonial Office, reports appeared in the press that a bill had been introduced in the House of Commons empowering His Majesty's Government to alter the constitution of British Guiana by Order in Council. The changes eventually introduced by the British Guiana (Constitution), Order in Council 1928, did not involve any differentiation against Indians and did not in any way infringe the provisions of the special declaratory Ordinance which was passed by the Colonial Government in 1923 and which confers equality of status on all persons of East Indian race resident in the Colony.

(4) **Other Parts of the Empire**—In Ceylon, Mauritius, and Malaya, the position of Indians has all the while been satisfactory, and the matters have gone smoothly. The Government of India maintain their own Agents in Ceylon and Malaya. The

Standing Emigration Committee, so that the latter might have the advantage of hearing the delegation themselves before they advised the Government of India upon the situation. The delegation expressed their readiness to attend the meeting and then withdrew.

Thereafter meetings of the Standing Emigration Committee were held and the decision arrived at by the Government of India was communicated to His Majesty's Government.

The report of Sir Samuel Wilson was published on the 5th October 1929. Another meeting of the Standing Emigration Committee was held soon thereafter to consider the report and a further communication was addressed to His Majesty's Government on the subject.

The conclusions of His Majesty's Government as regards closer union in East Africa were published in June, 1930, in the form of a White Paper and it was announced that they would be submitted to a Joint Committee of the two Houses of Parliament. In accordance with this decision a Select Committee was set up in November, 1930. The Government of India communicated their views in a despatch to the Secretary of State for India on the scheme set out in the White Paper in so far as it affected the Indian population in East Africa. With the permission of the Joint Select Committee of Parliament they also deputed the Right Honourable V. S. Srinivasa Sastri, P. C., C. H., as their representative to present their case and elucidate in the course of oral examination such questions as the Committee might consider necessary to refer to him. The Select Committee examined Mr. Sastri in July, 1931.

The report of the Committee was published simultaneously in England, East Africa and India on the 2nd November, 1931, and the decisions of His Majesty's Government on the recommendations of the Committee together with certain correspondence arising from the report of the Committee were also similarly published on the 24th August, 1932.

As regards the question of *Closer Union*, His Majesty's Government have accepted the view of the Joint Committee that apart from considerations arising out of the Mandatory position of the Tanganyika Territory, the time has not arrived for taking any far-reaching step in the direction of the formal Union of the several East African Dependencies.

As regards the Common Electoral roll, the Committee have stated that it would be impracticable under present conditions to advocate the adoption of the system in preference to the existing system of election. This recommendation has also been accepted by His Majesty's Government. It has also been decided that no change should be made in the present arrangement which secures an official majority in the Kenya Legislative Council.

During the year 1927, another matter which engaged Government and the public in India was the report of the Local Government Commission which was appointed by the Governor of Kenya in July 1926, to make recommendations as to the establishment or extension of local Government for certain areas in the Colony. —The report of the Commission

was submitted to the Governor of Kenya in February 1927. The recommendations made were numerous and so far as Indians were concerned they involved a decrease in the proportion of Indian representation on the local bodies at Nairobi and Mombasa and the creation of an European elected majority in both places. This caused resentment among Indians in the Colony and resulted in the abstention from the Legislative Council of four out of five Indian representatives. The Government of India submitted representations to His Majesty's Secretary of State for India on the subject.

In 1928 the Local Government (Municipalities) Ordinance was passed. This amended the law relating to Municipal Govt in Kenya to provide for the nomination of 7 unofficial Indian Members as against 9 European Members to be elected in Nairobi and for the nomination to the Municipal Board of Mombasa of an equal number of European and Indian Members, viz., 7.

(3) *Fiji and British Guiana — Emigration* to Fiji was stopped in 1917, under Rule 16 (B) of the Defence of India (Consolidated) Rules in pursuance of the general policy of stopping recruitment under the indentured system of emigration. With a view to secure, if possible, a renewal of emigration to the Colony an unofficial mission composed of the Bishop of Polynesia and Mr. Rankine, Receiver-General to the Fiji Government, arrived in India in December 1919, and submitted a scheme of colonisation, which was referred to a committee of the Imperial Legislative Council on 4th February, 1920. To secure a favourable reception for the mission the Fiji Government cancelled all outstanding indentures of East Indian labourers from 2nd January, 1920, and also announced their intention to take early measures to provide for the representation of the Indian community on the Legislative Council on an elective basis by two members. In accordance with the recommendations made by the Committee the Government of India informed the mission in March, 1920, that they would be willing to send a Committee to Fiji provided that the Government of Fiji and the Secretary of State for the Colonies would guarantee that 'the position of the emigrants in their new home will in all respects be equal to that of any other class of His Majesty's subjects resident in Fiji'. In July, 1920, the Government of Fiji informed the Secretary of State for the Colonies of their willingness to give the pledge, subject to his approval. Arrangements with regard to the contemplated deputation, however, were postponed until January 1921, owing to the announcement of Lord Milner's policy in regard to Indians in Kenya, and the desirability of consulting the new Legislature in India. After consultation with the Fiji Government as to the terms of reference and personnel of the deputation, an announcement was made on the 27th June, 1921. But owing to the inability of the two Indian members Messrs. Srinivasa Sastri and Hirdaynath Kunzru, who had been nominated to join the Committee which was finally constituted consisted of Messrs. Venkatapati Raju, G. L. Corbett, Govind Sahai Sharma, and Lieutenant S. Hissam-ud-din Khan, did not reach Fiji until the end of January 1922.

Indians in Great Britain.

Some seventy years have gone by since the Parsee community, in the persons of the late Dadabhai Naoroji and other members of the firm of Cama & Co., led the way in the sojourn of Indians in England for business purposes. This lead it has since maintained though there are both Hindu and Mahomedan business men firmly established there. Nor are the professions unrepresented for there are in London and elsewhere practising barristers, solicitors and medical men of Indian birth. The number of the latter, especially Parsees, is considerable. Three Indians (all belonging to the Parsee community) have sat in the House of Commons. Since 1910 four Indians—the late Mr. Ameer Ali, the first Lord Sinha, the late Sir Binode Mitter and Sir Dinsha Mulla—have served on the Judicial Committee of the Privy Council. Three Indians are on the Secretary of State's Council. In 1919, the late Lord Sinha was the first Indian to be raised to the peerage and to be appointed a member of the Home Government. In the spring of 1923 Mr. (now Sir) Dadabhai Dalal was appointed High Commissioner for India being the first Indian to hold the office. He resigned towards the end of 1924 to be succeeded by Sir Atul Chatterjee, who in 1931 was followed by Sir B. N. Mitra. The early years of the present century saw the gathering of a new Indian element in permanent residence—that of retired officials and business men, or people of independent means who from preference or in order to have their children educated in England, leave the land of their birth and seldom if ever visit it again. Further the stream of Indian summer visitors includes wealthy people who come regularly.

Sectionally, the only Indian community to be fully organised is that of the Parsis. They have an incorporated and well-endowed Parsi Association of Europe. Its central Zoroastrian House, 11, Russell Road, West Kensington, opened in 1929, includes a room devoted to ritual and ceremonial purposes, a reading room and library, and rooms for social intercourse. The Arya Bhavan, a home for orthodox Hindus visiting London, was opened at 30, Belsize Park, Hampstead, in the summer of 1928. Indian business interests have been organised by the formation of the Indian Chamber of Commerce in Great Britain, with offices at 85, Gracechurch Street, E.C. 3. The East India Association (3 Victoria Street S.W. 1) established in 1867, provides a non-partisan platform for the discussion of Indian problems, and exists "to promote the welfare of the inhabitants of India." The India League (146, Strand, W.C.) under the chairmanship of Mr. Bertrand Russell exists "to support the claim of India for Swaraj (Self Rule)." At the other end of the scale in Indian political

controversy is the Indian Empire Society 127, Alfred Place, South Kensington S.W. 7, with Lord Sumner as President and Field-Marshal Sir Claude Jacob as Chairman of the Executive Committee.

India House

In March, 1920, the office of the High Commissioner for India was transferred from the inadequate premises in Grosvenor Gardens to the new India House in Aldwych, erected and furnished at a cost of £321,000. The design of this noble building which has a frontage of about 130 ft. opposite the Waldorf Hotel, was the work of Sir Herbert Baker, A.R.A., with Dr. Oscar Faber as consulting engineer. Although expression of the Indian character of the building is mainly found in the interior, the architect has given to the details of the external elevation, by means of carving, heraldry and symbolism an individuality that proclaims it the London house of India. Including basement and mezzanine floors, there are twelve floors in all, the available space for clerical work alone being between 50,000 and 60,000 ft. The total height from the lower level in the courtyard on the Strand side to the roof is about 100 ft.

On the ground floor there is a great hall for exhibits of the products and art wares of India. This hall is carried up two floors, the upper floor being represented by a wide gallery, and on either side of the exhibition hall there are recesses after the style of an Indian bazaar for special exhibits. From the octagonal entrance hall a great public staircase leads to a gallery round the octagonal hall on the first floor. This gallery in its turn leads to a high vaulted library and reception rooms, and the central portion of the library provides accommodation for large receptions on special occasions.

The staircase, exhibition hall, octagonal hall and library markedly express the Indian character of the building. The walls of the staircase and the halls are of red stone similar in appearance to the Aggra and Delhi sandstone, carved and pierced in the geometrical patterns of the *jali* in Indian architecture. Such of the carving as could be completely separated from the structure was actually worked at New Delhi by Indian workmen from Makara marble. The use throughout of Indian hardwoods, chiefly gurgan, for flooring obviates the need for any floor covering. From basement to roof scarcely any wood of non-Indian origin was employed. For panelling and decorative purposes in all parts of the great building silver gray, loko, laurel and the beautiful dark red poudouk have been used. The domes and vaults of the building have been embellished by mural

question of the fixation of a standard minimum wage for Indian Estate labourers in Ceylon and Malaya has been the subject of negotiations between the Govt of India and the Colonial Governments ever since the emigration of Indian labour to the Colonies for the purpose of unskilled work was declared lawful in 1923 under the provisions of the Indian Emigration Act, 1922. So far as Ceylon is concerned a settlement satisfactory to the Govt of India and that of Ceylon has been arrived at, *i.e.*, the standard wage and other outstanding questions affecting the interests of the labourers and the draft legislation to give effect to it was passed by the Ceylon Legislative Council in December 1927 as "Indian Labour Ordinance No 27 of 1927". The Standard Rates of Wages agreed upon were introduced with effect from the 1st January 1929. In 1931, however, it was decided with the concurrence of the Government of India to reduce these wages by 5 cents for men, 4 cents for women and 3 cents for children by way of readjustment owing to the price of rice issued from estates being fixed at Rs 4 80 instead of Rs 6 40 per bushel. In regard to Malaya, Standard Wage Rates which are considered suitable by both the Indian and Malayan Governments have been introduced in certain areas. The rates so fixed were, however, reduced by 20 per cent with effect from the 5th October 1930 owing to acute depression in the rubber trade. The questions affected by these details have recently received much attention by the Indian and Malay Authorities. The worldwide economic depression has also had repercussions on Indian labourers employed on tea and rubber estates in Ceylon. Wages have had to be reduced, but the Government of India have, with the co-operation of the Colonial Government, successfully prevented such reduction from materially affecting the labourers standard of living. For those who are unwilling to work on reduced wages facilities for repatriation to their homes in India have been secured. The position in both the countries is being watched by the Government of India, through their Agents,

In April 1924, the Government of Mauritius requested that emigration to the Colony might be continued for a further period of one year, but the Government of India in consultation with the Standing Committee on Emigration decided that consideration of the request should await the results of a local investigation. The Government of Mauritius agreed to receive an Officer for the purpose and to give him all facilities, and in December, 1924, an Indian Officer of Government, Kunwar Maharaj Singh, left India to conduct the necessary inquiry

Kunwar (now Sir) Maharaj Singh's report was published by the Government of India in August 1925. The various recommendations made

in the report were commended to the consideration of the Colonial Government

In February, 1926, the Government of India received a reply from the Colonial Government stating that they accepted the main conclusion formulated by Kunwar Maharaj Singh in regard to the renewal of emigration to Mauritius, *viz.*, that no more unskilled Indian labour should be sent to Mauritius either in the immediate or near future. With regard to Kunwar Maharaj Singh's suggestions relating to other matters of interest to the Indian population now resident in the Island, the Colonial Government expressed their willingness to give effect to several of them.

The present position of Indians in the Dominions is that under the Canadian Dominion Election Act, Indians domiciled in Canada enjoy the federal franchise in eight out of the nine provinces. In New Zealand, Indians enjoy the franchise on the same footing as all other British subjects. In Australia, sub-section (5) of section 39 of the Commonwealth Electoral Act, 1918-24, was amended in 1925, by adding after the word "Asia" the words, "except British India". This measure gives the Commonwealth franchise to subjects of British India at present domiciled in Australia and is the fruition of the hopes held out by the Commonwealth Government to Mr Sastri on the occasion of his visit to Australia in 1922. As a result of the representations made in London in 1930 informally by the late Sir Muhammad Shafi at the instance of the Government of India to the Prime Minister of Australia, the electoral law of Queensland has also been revised to enfranchise the British Indians resident in that State. It is, therefore, in Western Australia alone that Indians do not enjoy the suffrage in respect of election for the Lower House. By Acts which have recently been passed by the Commonwealth Parliament, British Indians in Australia have been admitted to the benefits of Invalid and Old Age Pensions and Maternity allowances from which they were hitherto excluded as Asiatics. Old Age Pension is payable to men above 65 years of age, or above 60 years, provided such persons are of good character and have resided continuously for at least 20 years. An Invalid Pension is obtainable by persons, who, being above 16 years of age and not in receipt of an Old Age Pension, have whilst in Australia, become permanently incapacitated for work by reason of an accident or by reason of being an invalid or blind, provided they have resided continuously in Australia for at least five years.

Maternity allowance to the amount of £ 5 is given to a woman of every child to which she gives birth in Australia, provided the child is born alive and the woman is an inhabitant on the Commonwealth or intends to settle there. This Legislation removes the last grievance of the Indian community in Australia which was remediable by the Federal Government.

paintings, the work of specially selected Indian artists. The water supply is entirely independent of municipal service, being obtained from two artesian wells sunk some 460 ft below the basement, where the central heating apparatus is installed.

The Indian Trade Commissioner and his staff are at India House, with all other departments of the Office of the High Commissioner excepting the Stores Department which is at the depot off the Thames at Belvedere Road, Lambeth.

The Students

Under normal conditions it is the student community which constitutes the greatly preponderating Indian element and creates a constant problem. Its numbers multiplied ten or twelve fold in the quarter of a century before the war. After a very considerable temporary check caused by the Great War the number rapidly expanded from 1919 in spite of pressure on college accommodation. In addition to the ordinary graduate or under-graduate student, there are some youths of good family, including heirs of Indian States, admitted into our public schools, such as Eton and Harrow. There are some 500 Indians at the Inns of Court. Since the war there has been a welcome increase in the number of technical and industrial students. Altogether including technical and medical students, there are fully 2,000 young Indians (some five per cent of them women) in London, Edinburgh, Cambridge, Oxford, Glasgow, Manchester, Birmingham, Leeds, Sheffield, Liverpool and a few other centres. London absorbs about half the total.

The Advisers

It is well known that for many years ago Indian students were left to their own devices apart from inadequately supported unofficial effort and the chance of coming under the influence of English friends of their families. But in April 1909 Lord Morley, created for their benefit a Bureau of Information and appointed the late Sir Thomas Arnold to the charge of it under the title of Educational Adviser. The Bureau was located at 21, Cromwell Road, together with the National Indian Association and the Northbrook Society, which were thus given spacious quarter for their social work among the young men. In India the provincial advisory committees to help and advise intending students have been replaced in some instances by University Committees. The work of the Bureau rapidly expanded and in consequence Lord Crew in 1912 re-organised the arrangement under the general charge of a Secretary for Indian students, Mr (now Sir) C E Mallet who resigned at the close of 1916. He was succeeded by Dr Arnold under the designation of Educational Adviser for Indian Students to the Secretary of State. Mr N C Sen followed Sir T Arnold as Local Adviser in London. At Oxford the Oriental Delegacy, and at Cambridge the Inter-Collegiate Committee have been instituted to deal with Oriental students generally, whilst Local Advisers for Indian students have been appointed at Manchester, Edinburgh and Glasgow.

These arrangements underwent far-reaching revision in the autumn of 1920 in connection with the setting up, under the Act of the previous year of a High Commissionership for India in the United Kingdom. The "agency work" Sir William Meyer took over from the Secretary of State included that connected with Indian students. Sir Thomas Arnold accepted an appointment long pressed upon him as Professor of Arabic at the School of Oriental Studies, and the High Commissioner appointed Mr N C Sen and Dr Thomas Quayle as Joint Secretaries for the Education Department. The administrative work hitherto divided between the India Office and 21, Cromwell Road was consolidated at the offices of the High Commissioner, thereby obviating a good deal of duplication of files and papers. Dr Quayle is now Secretary in the Education Department of the Office of the High Commissioner and is assisted by Messrs P K Dutt, R M J Knaster and V I Gaster with Miss C H Bose to look after women students.

The whole situation was investigated by a committee of inquiry which sat in 1921 under the chairmanship of Lord Lytton. Arrangements had been made for the Committee to continue their investigations in India in the cold weather of 1921-22, but were abandoned in consequence of the refusal of the Legislative Assembly to vote the necessary grant. This largely accounts for the somewhat tentative form of the recommendations of the unanimous report published in October 1922. The opinion was expressed that the only permanent solution of the problem is to be found in the development of education in India. Attention was invited to the diminution of the number of Indian students proceeding abroad that would result from giving effect to recommendations made for such development by previous commissions, and by the establishment of an Indian Bar. The Committee held that it should be possible to secure admission both to British universities and, subject to certain reservations, to the works of manufacturing firms in Great Britain for all Indian students competent to profit by the facilities afforded, provided that some machinery existed to ensure their distribution to the places best suited to their requirements. Subsequently a committee presided over by Sir Edward Chamer recommended the creation of Indian Bars, which should have the effect of much reducing the number of Indians going to the Inns of Court. An Act for the purpose was passed by the Indian Legislature in 1926, but has not narrowed the stream of students at the Inns of Court.

The students have hosts of non-official friends and helpers and the report suggested that there should be a conference of representatives of all organisations interested in the social and intellectual welfare of young Indians in Great Britain to discuss the best means for co-ordinating their efforts. Accordingly Sir Atul Chatterjee held a conference in July 1925, when plans were formulated to help to meet the needs of students more particularly in respect to suitable boarding accommodation in London. The subject had been previously discussed at a meeting of the East India Association (April 27

Sport.

The year under review marked a big advance by India in the field of sport. No less than five international teams were entertained by India and cricket history was made by the visit of the first official M. C. C. team of cricketers and the playing of the first Test match on Indian soil. Indian cricket was paid a big tribute by the M. C. C., in that they sent out, as captain of their side, Mr. D. R. Jardine, one of the greatest skippers who ever led in England, eleven, and a man who was born in India. The men Mr. Jardine led were thoroughly representative of English cricket, even if some of the big names were absent and it was not surprising that India failed to win a Test. She did manage to share the honours in the second game at Calcutta but was fairly and squarely beaten in the other two. To Amarnath, a young all-rounder from the Punjab, fell the honour of making the first century for India in Test cricket and there were scenes of great enthusiasm on the Bombay ground when he reached three figures. India showed that she has cricketers well up to Test match standard.

The year also saw the birth of the Cricket Club of India, from which great hopes are entertained for the future, and the bringing forward of a scheme for a cricket championship of India. The visit of the M. C. C. overshadowed all other cricket and once again the Bombay Quadrangular tournament was held in absence.

The inauguration of the Western Asiatic Games which were held at Delhi and Patiala is another achievement which goes to the credit of India. Four countries, Afghanistan, Palestine, Ceylon and India participated and some new records were set up during the games, which were organised on Olympic lines and which were attended by H. E. The Viceroy. Some excellent sport was witnessed at these games, which served to emphasise the urgent need of a properly equipped Stadium for the country, especially a good cinder track.

For the first time in the history of hockey India entertained a foreign hockey team, Afghanistan sending a side which played in several centres, but which was beaten by India in the Western Asiatic Games. This was also the first time Afghanistan had entered the field of international sport.

A foreign tennis team also visited India, a team from West Australia, which India proved good enough to beat. Their visit, however, stimulated interest in tennis which is rapidly making progress. Bombay was also fortunate in being able to see F. J. Perry, the famous English player, for a few hours and E. V. Bobb, the Indian champion, took a set off him.

India is rapidly becoming more sport minded and sport in all its branches is becoming a part of the life of the people. Hockey, perhaps claims the most players, then comes cricket and tennis and more and more are becoming enthusiasts of one or the other, sometimes all three, of these games. Football is played during the Monsoon and this game is growing, the Indians, in Bengal especially, being a very keen soccer enthusiast, while in Bombay, Madras and the Punjab the game is flourishing. It is governed in Bengal by the Indian Football Association, in Western India by the Western India Football Association and in the Punjab by the Northern India Football Association. The chief tournaments are the Indian Football Association Shield played in Calcutta, the Rovers Cup played in Bombay and the Durand Cup played in Simla.

Boxing is another sport which has made progress, though the professional side of the sport appears to have practically died out. There are strong amateur boxing associations in Bombay and Calcutta and the Army organise tournaments frequently all over the country.

Athletics suffer because of the entire absence of tracks in any part of the country. There is a dearth of coaches and very little encouragement for the athlete to keep in training as athletic meetings are comparatively few.

The Turf is the one section which has little to worry about. India possesses some of the finest race courses in the world and at Bombay, Calcutta and Madras, which are the three chief centres enormous crowds attend every meeting. Increased encouragement is being given to Indian bred horses, the best stallions and brood mares are imported, and the sport occupies a high place in the recreations of the people. His Excellency The Viceroy has patronised the turf by entering horses at various meetings and some good races have fallen to him. The Indian Princes support to the turf is well known and the Turf Clubs are flourishing.

Polo has been a favourite game in India for centuries and the Jaipur team earned high praise in Europe. The sport, which had been languishing in Western India, received a big flip by the decision of the Western India Turf Club to organise tournaments.

Golf, Rugby Football, and Yachting are the games of the few, though practically every station has its golf course.

A summary of the chief sporting events of the year appears in the following pages.

INDIAN EMPIRE SOCIETY—(Opposed to the Government scheme of All-India Federation but would favour proposals of the Simon Commission, other than the transfer of Law and Order in the provinces) 48, Broadway, S W 1 *Secretary* Sir Louis Stuart, C I E

INDIAN CONCILIATION GROUP—(Meeting at Friends House, Euston Road, N W 1) *Chairman* Carl Health

INDIAN VILLAGE WELFARE ASSOCIATION—4, Great Smith Street, S W 1 (To collect information on and obtain financial support for rural reconstruction) *Hon Secretary* Miss A R Caton

INDO-BRITISH MUTUAL WELFARE LEAGUE—*Joint Hon Secretaries* Mrs Hannah Sen and Mrs C Hegler (53, Elsworthly Road, N W 3)

INDIAN GYMKHANA CLUB—Thornbury Avenue, Osterley To promote the physical well-being of Indian students *Secretary* Captain W R B Berry, 10, King's Bench Wall Temple, E C 4

NATIONAL INDIAN ASSOCIATION—Chief aims to promote the welfare of students 21, Cromwell Road, S W 7. *Secretary* Miss Dove

NORTHBROOK SOCIETY—Makes grants to deserving Indian students 21, Cromwell Road, S W 7 *Hon Secretary* E Oliver

ROYAL ASIATIC SOCIETY—Research in the history and antiquities of Asia 74, Grosvenor Street, W 1 *Secretary* Col D M F Hovsted, C B E, D S O

ROYAL CENTRAL ASIAN SOCIETY—*President* Lord Allenby *Chairman of Council* Lord Loyd *Secretary* Miss M N Kennedy, 77, Grosvenor Street, London, W 1

ROYAL EMPIRE SOCIETY—Formerly Royal Colonial Institute Northumberland Avenue W C 2 *Secretary* George Pulcher

ROYAL SOCIETY OF ARTS has an Indian section before which lectures are delivered on industrial, historical and commercial questions 18, John Street, Adelphi, W C 2 *Secretary* G K Menzies, C M G, M A *Secretary, Indian Section* W Perry

ROYAL INSTITUTE OF INTERNATIONAL AFFAIRS, Chatham House, 10, St James' Square S W 1 *Secretary* Iverson S Macadam, O B E

PARSEE ASSOCIATION OF EUROPE—Zoroastrian House, 11, Russell Road, Olympia, W 14

SOCIETY FOR PROMOTING THE STUDY OF RELIGIONS—*President* The Marquis of Zetland *Chairman of Council* Sir Denison Ross *Hon Secretary* Miss M M Sharples (17, Bedford Square, W C 1)

STUDENT CHRISTIAN MOVEMENT OF GREAT BRITAIN AND IRELAND—*Secretary* R C Mackie, Annandale, North End Road, Golders Green, N W 11

UNION OF BRITAIN AND INDIA—Formed to support the proposals of H M Government for Indian Constitutional Reform 15, Canton House (East) 10th Hill Street, S W 1 *Chairman of Council* Sir John Thompson, *President* Viscount Goschen *Secretary* Owne Tweedy

VICTORIA LEAGUE—81, Cromwell Road, S W 7 *Secretary* Miss Gertrude Drayton, C B E

WOMEN'S INDIAN ASSOCIATION London Committee 53, Elsworthly Road, N W 3 *Joint Hon Secretaries* Miss Arathi Mehta and Mrs C Hegler

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Racing

Bangalore

Madras Cup Distance 6 furlongs —

Mr Ammamalai Chettiar's Good Boy (9st 6lbs), Dillon 1

Mr Md Oomer's Golden Yew (9st 11bs), O Neale 2

Mr Sir Ismail Saït's Old Buckenham (8st 11lbs), Forsyth 3

Mr Annamalai Chettiar's Hill Flower (9st), Evans 4

Won by $\frac{1}{2}$ length, $1\frac{1}{2}$ lengths, $\frac{3}{4}$ length
Time — 1 min 16 1 5 secs

Bobbili Cup (Div II) Distance 1 mile —

Mr S Hussain's Polish Pride (8st 7lbs), Iyann 1

Mr J C Galstoun's Harmonique (7st 8lbs), Mendoza 2

Mr K Temmol's Sha Hawa (7st 7lbs), McCarthy 3

Mr K Viswanath's Abelard (7st 6lbs), Alford 4

Won by 2 lengths, $\frac{1}{2}$ length, short head
Time — 1 min 42 1 5 secs

Bobbili Cup (Div I) Distance 1 mile —

Mrs Apar and Mr Eason's Snoops (7st 13lbs), Bond 1

Mrs Watchorn and Mr Murphy's Bonne Tete (9st 11b), Dillon 2

Mr Gem's Essexbrook (8st 10lbs), Obaid 3

H H the Maharaja of Mysore's Alcor (8st 4lbs), Hoyt 4

Won by 3 lengths, neck, $1\frac{1}{4}$ lengths
Time — 1 min 41 1 5 secs

The R C T Cup C Distance 1 mile, 3 furlongs —

Mrs Goldsmith's Jorrocks (7st 12lbs), Dillon 1

Mr M R Patel's Frost (8st 12lbs), Hoyt 2

The Countess of Shannon's Corn Flake (8st 8lbs), Forsyth 3

Mr T A Williamson's Navan (7st 12lbs), Mendonza 4

Won by 4 lengths, neck, $1\frac{1}{2}$ lengths
Time — 2 mins 24 1 5 secs

The Maharaja of Mysore Gold Cup Distance 1 mile, 3 furlongs —

Mrs John Yorke's Trelawne (8st 13lbs), Cooper 1

Mrs Clarke's Ramah (8st 10lbs), Southey 2

Mr Gem's Essexbrook (8st 11lbs), Obaid 3

Mr V L Govindraj's Helep's Glory (7st 3lbs), Black 4

Won by a short head, $1\frac{1}{2}$ lengths, 2 lengths
Time — 2 mins 22 1 5 secs

Stewards Cup Distance 1 mile, 3 furlongs —

Mr H Kadum's Waiveri (8st 11b), Obaid 1

Mr S A Annamalai Chettiar's Brutus (9st 13lbs), Forsyth 2

Mrs J Jitambis Chanticleer (10st 7lbs), Hoyt 3

Lt Col Murray's Telephone (7st), McCarthy 4

Won by $1\frac{1}{2}$ lengths, a neck, $2\frac{1}{2}$ lengths
Time — 2 mins 7 2 5 secs

Apollo Cup Distance 1 mile, 3 furlongs —

Mr Raj Mahomed's Tara (7st 6lbs), H McQuade 1

The Chief of Miraj's Jalal (7st 13lbs), Cooper 2

Messrs H Jamoor and Diamond's Broker (7st 8lbs), Alford 3

Mr A M Khuraz's Fiery Face (8st 4lbs), Selby 4

Won by 1 length, $\frac{1}{2}$ length, $1\frac{1}{2}$ lengths
Time — 2 mins 38 secs

Bangalore Cup (Div II) Distance 6 furlongs —

Capt Goldsmith's Indiscreet (7st 13lbs), O Neale 1

H H the Maharajah of Mysore's Lignan (9st), Burgess 2

Mr Ali Askar's Pamela Mary (8st 4lbs), Meekings 3

Mr P C Barna's Tom Fair (9st 8lbs), Bond 4

Won by 1 length, $1\frac{1}{4}$ lengths, $1\frac{1}{2}$ lengths
Time — 1 min 14 3 5 secs

Bangalore Cup (Div I) Distance 6 furlongs —

Mrs Goldsmith's Insult (8st 12lbs), Hill 1

Mr A Rozario's Camille (8st 12lbs) Clarke 2

Mrs Apar's Snoops (9st), Bond 3

H H the Maharaja of Venkatgiri's Queen of Mars (7st 10lbs), Setty 4

Won by $1\frac{1}{4}$ lengths, a neck, a head
Time — 1 min 15 secs

The Yuvraja of Mysore's Cup Distance 1 mile, 3 furlongs —

Mr Mahmood's Burzan (7st 10lbs), McCarthy 1

Mr Wadiar's Kashaf (7st 12lbs), B MacQuade 2

Mr Tahar's Bushboos (9st 4lbs), Obaid 3

Mr Khuraz's The Viceroy (9st 7lbs), Selby 4

Won by $\frac{3}{4}$ length, 2 lengths, $3\frac{1}{2}$ lengths
Time — 2 mins 40 2 5 secs

Staver's Cup Distance $1\frac{1}{2}$ miles —

Mr Hill's Seraphenalia (8st 7lbs), Owner 1

Major C A Murray's Jovial William (11st 7lbs), Owner 2

Mr R B Macqueen's Jaco (11st 6lbs), Owner

Won by 8 lengths, and head

Time — 2 mins 42 4 5 secs

Haji Sir Ismail Said Cup (Div I) Distance 1 mile A handicap for horses in Class IV —
 Mr T Williamson's Nayyan (7st 13lbs),
 McCarthy 1
 Mr G L Lyons' Galactic (9st 4lbs),
 Evans 2
 Nawab Banganapalle's Grangewood (8st 4lbs), Meekings 3
 Mr Nugent Grant's Raft Duck (8st 7lbs),
 Black 4
 Won by 1 length, $\frac{1}{2}$ length and head
 Time — 1 min 55 secs

Haji Sir Ismail Said Cup (Div II) Distance 1 mile —
 Mrs Nugent Grant's Time Limit (8st 2lbs), Black 1
 Messrs Gubbay and Lagree's Stage Struck (8st 9lbs), Selby 2
 Mr A Paul's Roseante II (9st), Evans 3
 Mr Annamalai Chettiar's Brutus (8st 7lbs),
 Meekings 4
 Won by $\frac{1}{2}$ lengths, short head, $\frac{2}{3}$ lengths
 Time — 1 min 44 3-4 secs

Bangalore Cup (Div I) Distance 6 furlongs —
 Mrs Goldsmith's Insult (8st 12lbs), Hill 1
 Mr A Rozario's Camille (8st 12lbs),
 Clarke 2
 Mrs Apear's Snoops (9st), Bond 3
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 Time — 1 min 15 secs

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 Mr Mahmood's Buizan (7st 10lbs),
 McCarthy 1
 Mr Wadia's Kashaf (7st 12lbs), B Mc
 Quade 2
 Mr Taha's Bushboos (9st 4lbs), Obaid 3
 Mr Khuraz's The Viceroy (9st 7lbs), Selby 4
 Won by $\frac{1}{2}$ length, 2 lengths, $\frac{3}{4}$ lengths
 Time — 2 mins 40 2-5 secs

Stewards Cup Distance 1 mile, 3 furlongs —
 Mr H Kadum's Waver (8st 11lb), Obaid 1
 Mr S A Annamalai Chettiar's Brutus (9st 13lbs), Forsyth 2
 Mrs Lalitamba's Chanticleer (10st 7lbs),
 Hoyt 3
 Lt-Col Murray's Telephone (7st),
 McCarthy 4
 Won by $\frac{1}{2}$ lengths, a neck, $\frac{2}{3}$ lengths
 Time — 2 mins 7 2-5 secs

Apollo Cup Distance 1 mile, 3 furlongs —
 Haji Raj Mahomed's Tarr (7st 6lbs), H
 McQuade 1
 The Chief of Miraj's Jalal (7st 13lbs),
 Cooper 2
 Messrs H Jamoor and Diamond's Broker
 (7st 8lbs), Alford 3
 Mr A M Khuraz's Fiery Ice (8st 4lbs),
 Selby 4
 Won by 1 length, $\frac{1}{2}$ length, $\frac{1}{2}$ lengths
 Time — 2 mins 38 secs

Bangalore Cup (Div II) Distance 6 furlongs —
 Capt Goldsmith's Indiscreet (7st 13lbs),
 O Neale 1
 H H the Maharajah of Mysore's Lignan
 (9st), Burgess 2
 Mr Ali Askar's Pamiar Mar (8st 4lbs),
 Meekings 3
 Mr P C Barnas Tom Fur (9st 8lbs),
 Bond 4
 Won by 1 length, $\frac{1}{2}$ lengths, $\frac{1}{2}$ lengths
 Time — 1 min 14 3 5 secs

Bombay

The Newbury Plate Distance $1\frac{1}{4}$ miles —
 Mr Diamond Lochmore (8st), Northmore 1
 Messrs L S Lalvani and K S Malkani's
 Galumph (7st 7lbs, cd 8st 8lbs),
 Dillon 2
 Mrs M Clarke's Dalymount Park (7st 2lbs, cd 7st 5lbs), Meekings 3
 H H the Maharaja of Idar Corey (7st 8lbs),
 Stokes 4
 Won by $\frac{1}{2}$ lengths, 3 lengths, 2 lengths
 Time — 2 mins 8 2-5 secs

The Cheveley Handicap Distance $1\frac{1}{4}$ miles —
 H H the Maharaja of Rajpuri's Masked
 Jester (9st), Bowley 1
 Mr Eve's Risque (8st 3lbs), Brace 2
 Mr P B Avasia's Garcon (7st 10lbs),
 Stokes 3
 Mrs John Yorke's Trelawne (7st 7lbs),
 Doyle 4
 Won by $\frac{1}{2}$ lengths, $\frac{3}{4}$ length, $\frac{2}{3}$ lengths
 Time — 2 mins 8 1-5 secs

The Leopardstown Plate Distance $1\frac{1}{4}$ miles —
 Messrs L S Lalvani and K S Malkani's
 Galumph (8st 2lbs), Dillon 1
 Messrs A C Ardeshir and P D Bolton's
 Castleton (9st 2lbs), Munroe 2
 Mrs M Clarke's Dalymount Park (7st 12lbs), Meekings 3
 Messrs S C Ghosh and Darbani Lal's
 Tohunga (8st), Doyle 4
 Won by short head, $\frac{1}{2}$ length, 2 lengths
 Time — 2 mins 7 3 5 secs

The Chief of Kagal Memorial Plate Distance 7 furlongs —
 Sir David Ezris Fascicle (7st 7lbs),
 Meekings 1
 Mr Diamond's Kum Bak (9st 7lbs), North
 more 2
 Mr P B Avasia's Garcon (7st 5lbs),
 Raffelt 3
 Mr P B Avasia's La Fontaine (9st 2lbs),
 Munroe 4
 Won by $\frac{1}{2}$ length, 2 lengths, 2 lengths
 Time — 1 min 25 secs

The Importers' Plate Distance $1\frac{1}{2}$ miles —
 H H Maharaja of Idar's Corey (8st 8lbs),
 Obaid 1
 Mrs John York's Trelawne (9st), Dillon 2

Racing

Bangalore

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Mr Md Oomer's Golden Yew (9st 4lbs), O Neale 2

Haji Sir Ismail Sait's Old Buckenham (8st 11lbs), Forsyth 3

Mr Annamalai Chettiar's Hill Lower (9st), Lyons 4

Won by $\frac{1}{2}$ length, $1\frac{1}{2}$ lengths, $\frac{3}{4}$ length
Time — 1 min 16 1-5 secs

Bobbili Cup (Div II) Distance 1 mile —

Mr S Hussain's Polish Pride (8st 7lbs), Lyons 1

Mr J C Galstaun's Harmonique (7st 8lbs), Mendoza 2

Mr K Temmolji's Sky Hawk (7st 7lbs), McCarthy 3

Mr K Viswanath's Abelard (7st 6lbs), Alford 4

Won by 2 lengths, $\frac{1}{2}$ length, short head
Time — 1 min 42 1-5 secs

Bobbili Cup (Div I) Distance 1 mile —

Mr Aperi and Mr Lesson's Snoops (7st 13lbs), Bond 1

Mrs Watchorn and Mr Murphy's Bonne Tete (9st 1lb), Dillon 2

Mr Gem's Essexbrook (8st 10lbs), Obaid 3

H H the Maharaja of Mysore's Alcor (8st 4lbs), Hoyt 4

Won by 3 lengths, neck, $1\frac{1}{2}$ lengths
Time — 1 min 41 1-5 secs

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The Countess of Shannon's Corn Flake (8st 8lbs), Forsyth 3

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Won by 4 lengths, neck, $1\frac{1}{2}$ lengths
Time — 2 mins 24 1-5 secs

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Mrs Clarke's Ramah (8st 10lbs), Southey 2

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Mr V L Govindraj's Helea's Glory (7st 3lbs), Black 4

Won by a short head, $1\frac{1}{2}$ lengths, 2 lengths
Time — 2 mins 22 1-5 secs

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Mr A M Khuraz's Liery Luce (8st 1lb), Selby 4

Won by 1 length, $\frac{1}{2}$ length, $1\frac{1}{2}$ lengths
Time — 2 mins 38 secs

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Won by $1\frac{1}{2}$ lengths, a neck, a head
Time — 1 min 15 secs

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Mr Mahmood's Burzan (7st 10lbs), McCarthy 1

Mr Wadru's Kashaf (7st 12lbs), B MacQuade 2

Mr Thir's Bushboos (9st 4lbs), Obaid 3

Mr Khuraz's The Viceroy (9st 7lbs), Selby 4

Won by $\frac{3}{4}$ length, 2 lengths, $3\frac{1}{2}$ lengths
Time — 2 mins 40 2 5 secs

Stayer's Cup Distance $1\frac{1}{2}$ miles —

Mr Hill's Seraphenalia (8st 7lbs), Owner 1

Major C A Murray's Jovial William (11st 7lbs), Owner 2

Mr R B Macqueen's Jaco (11st 6lbs), Owner

Won by 8 lengths, and head
Time — 2 mins 42 4 5 secs

The Grand Western Handicap Distance 1½ miles—

Mrs John York's Trelawne (7st 6lbs, cd 7st 8lbs), Dillon	1
H H the Viceroy's Complet (8st 3lbs), A C Walker	2
Mr J J Murphy's Bray Beau (8st 4lbs), Burn	3
H H Maharaja of Kolhapur's Argus (7st), Stokes	4
Won by 1 length, short head, neck Time—2 mins 7 3 5 secs	

The Druids Lodge Handicap Distance 7 furlongs—

Mr Birmjee Rustomjee, Junior's Costaki Pasha (8st 4lbs), Dillon	1
Hon'ble Sir H M Mehta's The Dawn Patrol (6st 10lbs), McCarthy	2
Mr P B Aris's Lefontaine (8st 6lbs), Obaid	3
Mr J Crawford's Vimos (8st) M Hoyt	4
Won by ½ length, 4 lengths, 1½ lengths Time—1 min 25 3 5 secs	

The Idur Cup Distance 1 mile—

Maharaj Man Singh of Jaswantgarh's Cartoon (8st 5lbs) Northmore	1
Mr N E Raymond's Pomagne (8st 11lbs), Jones	2
Mr A M Khairaz's Redress (8st 11lbs), Selby	3
H H Maharaja of Kashmir's Tiuro (9st 4lbs) M Hoyt	4
Won by 4 lengths, ½ length, 3½ lengths Time—1 min 43 1 5 secs	

The Coliba Cup (Div II) Distance 1 mile—

H H the Maharaja of Kolhapur's Four Kings (7st 6lbs), Stokes	1
Capt J A C O'Hara and Major C M Foster's Golden Cross (8st 2lbs), Lowrey	2
Mr P B Aris's Glen Gowan (7st 8lbs), Evans	3
Hon'ble Sir H M Mehta's Ternlet (8st 6lbs), Blyth	4
Won by short head, short head, 1½ lengths Time—1 min 40 2 5 secs	

The Willingdon Plate Distance 1 mile—

H H the Maharaja of Kolhapur's Grand Wazir (7st 12lbs, cd 7st 13lbs), Dobie	1
Mr P B Aris's Garcon (7st 5lbs, cd 7st 10lbs), Burn	2
H H the Maharaja of Rajpipla's Spinners Cottage (8st 2lbs), Selby	3
Major General Nawab Khusrui Jung's El Draque (7st 12lbs), Walker	4
Won by head, ½ length, 2 lengths Time—1 min 41 2 5 secs	

The Coliba Cup (Div I) Distance 1 mile—

H H the Maharaja of Rajpipla's Invercunnie (8st 3lbs), Selby	1
H L the Viceroy's Cardsharper (8st 7lbs), A C Walker	2

The Thakore Sahib of Wadhwan and Lt-Col Zorwar Singh's Iron (7st 7lbs), Stokes

Messrs S C Ghosh and Darburi Lal's Tolumga (8st), Burn	4
Won by 1½ lengths, 1 length, neck Time—1 min 40 secs	

The C N Wadia Gold Cup Distance about 1½ miles—

Mr Eve's Star of Italy (9st 8lbs), C Hoyt	1
Mr A C Ardeskur's Ethnos (9st), Jones	2
H H the Maharaja of Rajpipla's Highness (8st 1lb), Selby	3
Mr J J Murphy's Bray Beau (9st 1lb), Burn	4
Won by 1 length, ½ length, 2½ lengths Time—2 mins 42 3 5 secs	

The Mansfield Plate Distance 6 furlongs—

Mr Birmjee Rustomjee's Costaki Pasha (8st 9lbs), Dillon	1
H H the Maharaja of Kolhapur's Whoopee (7st), Stokes	2
Sir David Ezra's Fascicle (7st 9lbs), Meekings	3
Mr A Hoyt's Gay Day (6st 12lbs), McCarthy	4
Won by 2½ lengths, 1½ lengths, short head Time—1 min 13 1-5 secs	

The Byculla Club Cup Distance 1½ miles—

H H the Maharaja of Rajpipla's Highness (7st 9lbs), Selby	1
Mr A C Ardeskur's Ethnos (8st 11lbs), Munroe	2
Messrs L S Lalvani and K S Malkani's Galumph (7st 3lbs, cd 7st 5lbs), Meekings	3
Mr Eve's Star of Italy (9st 7lbs), C Hoyt	4
Won by 4 lengths, ½ length, ¾ length Time—3 mins 31 5 secs	

The Lloyd Handicap (Div II) Distance 1 mile—

Hon'ble Sir H M Mehta's Ternlet (8st 10lbs), Blyth	1
Mr N Begmohamed's Follow Me (7st 13lbs), Mairable	2
H H Maharaja of Kolhapur's Four Kings (8st 3lbs), Stokes	3
Mr P B Aris's Glen Gowan (8st 3lbs), Evans	4
Won by neck, 2 lengths, ½ length Time—1 min 40 1-5 secs	

The Lloyd Handicap (Div I) Distance 1 mile—

H H Maharaja of Kolhapur's Berrisdale (7st 7lbs, cd 7st 8lbs), Dillon	1
Mr Eve's Rusque (8st 7lbs), Brace	2
H H Maharaja of Kolhapur's Grand Wazir (8st 12lbs), Dobie	3
Major General Nawab Khusrui Jung's El Draque (8st 3lbs), Walker	4
Won by 1½ lengths, neck, head Time—1 min 40 secs	

H H Maharaja of Rajpipla's Shipshape (9st 4lbs), Bowley	3	H H the Maharaja of Rajpipla's Shipshape (9st 7lbs), Bowley	2
Mr Eve's Carnelian (8st 9lbs), Brice	4	Mr Gem's Chabootra (7st 4lbs ed 7st 7lbs), Evans	3
Won by head, neck, 3 lengths Time—2 mins 41 4-5 secs		Mr Diamond's Galloping Major (8st 10lbs), Northmore	1
The Eclipse Stakes of India Distance 1½ miles—		Won by 1½ lengths, neck, 1½ lengths Time—2 mins 40 2/5 secs	
H H Maharaja of Kashmir's Pongitchav (9st 7lbs), Carslake	1	The Hughes Memorial Plate Distance 1½ miles—	
Mr A C Ardeslur's Ethics (9st 7lbs), Jones	2	Mr A C Ardeslur's Ethics (9st), Jones	Dead
Mr Kelso's Centoi (8st 10 lbs), Harding	3	H H the Maharaja of Rajpipla's Masked Tester (8st 7lbs), Bowley	Heat
Messrs A C Ardeslur and P D Bolton's Castleton (8st 7lbs), Munro	4	H H the Maharaja of Rajpipla's Highness (8st), Selby	3
Won by short head, 1½ lengths, 2½ lengths Time—2 mins 6 1-5 secs		Nawabzada Fakr-ul mulk's Glenalmond (8st 7lbs), Northmore	1
The General Obaidullah Khan Memorial Gold Cup Distance 1½ miles—		Dead-heat, neck, 3 lengths Time—2 mins 6 1-5 secs	
Mr A C Ardeslur's Humayun (8st 12lbs), Dillon	1	The Bombay Arab Derby Distance about 1½ miles—	
Mr Sultan M Chumov's Al Hamil (9st), Obaid	2	Mr A C Ardeslur's Humayun (9st 8lbs), Dillon	1
Mr Sion I Nessim's Arab Queen (9st), Selby	3	Mr Sultan Chumov's Al Hamil (9st 7lbs), Obaid	2
Mr A Lookmanji's Duranoor (9st), Burn	4	Mr A A Ali bin Talib's Sutuldowli (8st 12lbs), Bowley	3
Won by 3 lengths, 2 lengths, 1 length Time—2 mins 19 4-5 secs		Mr A M Khuriz's Fiery Face (7st 8lbs), McCarthy	4
The Durdins Plate Distance 1 mile—		Won by 2 lengths, 2 lengths, 2 lengths Time—2 mins 59 3 5 secs	
H H the Maharaja of Rajpipla's Wall Street (7st 10lbs), Selby	1	The Yammu Cup Distance 6 furlongs—	
Mr Byramjee Rustumjee Jnr & Ootman (8st 11lbs), Dillon	2	Mr A M Khuriz's Redress (9st), Selby	1
Mr P B Avasthi's Gaicon (7st 10lbs), Burn	3	Mr Eve's Knight at Arms (8st 3lbs), Brice	2
Mr Sultan M Chumov's Celebrator (8st, ed 8st 2lbs), Obaid	4	Maharaj Mansingh of Jaiswantgiri's Cutoon (9st 5lbs), Northmore	3
Won by 5 lengths, neck, 2 lengths Time—1 min 38 3-5 secs		Mr P B Avasthi's Belle of York (7st 13lbs), Evans	4
The York Plate Distance about 1½ miles—		Won by ½ length, ½ length, 2½ lengths Time—1 min 15 1-5 secs	
H H the Maharaja of Rajpipla's Melesigenes (7st 13lbs), Selby	1	The Rajpipla Gold Cup Distance 1 mile—	
A H Johnstone's St Koscie (9st 2lbs), Lawrey	2	Messrs J Reynolds and T T Rogers' Goolash (7st 8lbs), Meekings	1
Mr Diamond's Galloping Major (8st 7lbs), Northmore	3	Mr Byramjee Rustumjee, Junior's Costaki Pasha (8st 3lbs), Dillon	2
H H Maharaja of Idar's Corey (8st 12lbs), Obaid	4	Major-General Nawab Khushu Jung's El Draque (7st 10lbs), A C Walker	3
Won by head, 3 lengths, ½ length Time—2 mins 41 1-5 secs		Mr Eve's Star of Italy (9st 7lbs), C Hoyt	4
The Ayrshire Plate Distance 1 mile, 1 furlong—		Won by ½ length, ½ length, neck Time—1 min 38 3 5 secs	
Mr Eve's Carnelian (7st 5lbs), Meekings	1	The Malabar Hill Plate Distance 6 furlongs—	
H H the Maharaja of Kolhapur's Myron (7st 8lbs), Stokes	2	Captain E A Elgee and M G V Williamson's Tel Asur (9st) Munroe	1
H H the Maharaja of Rajpipla's Masked Tester (9st 4lbs), Bowley	3	H H the Maharaja of Kashmir's Cospatrick (7st 4lbs), McCarthy	2
Mr V Rosenthal's Manipulator (7st 7lbs, ed 7st 9lbs) Lowrey	4	Mr Shantidas Askuran's Einga (7st 13lbs), Raffaele	3
Won by 2½ lengths, short head, 3 lengths Time—1 min 54 ½ secs		Mr Diamond's Kum Bah (9st 7lbs), Northmore	4
The Perth Plate Distance 1½ miles—		Won by 3½ lengths, ½ length, 1½ lengths Time—1 min 13 1-5 secs	
H H the Maharaja of Rajpipla's Melesigenes (8st 9lbs), Selby	1		

Merchants' Cup Distance (about) 1½ miles—
 Mrs C M Stewart's Golden Carp (9st 4lbs),
 Bartlam 1
 Mrs A H C Rostron's Kama (7st 7lbs),
 Flzan 2
 H H the Maharajah of Kolhapur's Golden
 Grace (8st 11lbs), Jones 3
 Mrs H Musry's Bucentaur (8st 8lbs),
 Evans 4
 Won by 1 length, 1½ lengths, 1½ lengths
 Time—2mins 35 2 5secs

Burdwan Cup Distance (about) 1½ miles—
 Maj-Genl H K Bethell's Jujube (11st
 3lbs), Baker 1
 Prince Aly Khan's Nijinski (10st 3lbs),
 Regons 2
 Mr R K Bowie's Rascal Monk (10st 7lbs),
 Field 3
 H H the Maharajah of Kolhapur's
 Mahasagar (10st 7lbs), Ermer 4
 Won by 3 lengths, 3 lengths, 4 lengths
 Time—3mins 22secs

King Emperor's Cup Distance (about) 1
 mile—
 Mr Edward Esmond's Sans Ame (9st 3lbs),
 Marland 1
 Mr A C Ardeslur's Ethics (9st 3lbs),
 Munro 2
 Capt Elge and Mr Williamson's Tel Asur
 (9st 3lbs), Jones 3
 H H the Maharajah of Kashmir's
 Pougatchei (9st 3lbs), Carslake 4
 Won by short head, head, 1½ lengths Time
 —1min 39 3-5secs

MacPherson Cup Distance about 1½ miles—
 Mr MacScott, Irish Times (7st 13lbs),
 Christie 1
 Mrs A H C Rostron's Kama (7st 4lbs),
 Flynn 2
 Mrs G Anthony's Fanande (8st), Walsh 3
 Mrs C M Stewart's Golden Carp (8st 9lbs),
 Bartlam 4
 Won by a head, a neck, 1½ lengths Time—
 2 mins 36 4-5 secs

Amateur Hurdle Race Distance about
 1½ miles—
 Maj A Hodgkin's Argenson (11st 10lbs),
 Mr Edwards 1
 Mr W T Vizer Harmer's Pabulator (10st
 5lbs), Mr Jeffrey 2
 Mr C S Steele Perkins Yorke Town (11st
 12lbs), Mr Booth 3
 Mr R L C Footit's Determined Ken (10st
 8lb, ed 10st 9lbs), Capt Tophan 4
 Won by 10 lengths, 3 lengths, 6 lengths
 Time—3 mins 22 2 5secs

August Cup (Div II) Distance 1 mile and
 3 furlongs—
 Mr L W Joseph's Tripoi (8st 4lbs),
 Holland 1
 Maj F M Kirwan's Flop (8st 4lbs),
 Rylands 2

Mr C R Blake's Air Pet (8st 3lbs),
 Cullen 3
 Maj-Gen H K Nethell's Clara Putten
 (9st 2lbs), Baker 4
 Won by ½ length, 1½ lengths, ½ length
 Time—2 mins 34 2-5 secs

August Cup Div I Distance 1 mile and 3
 furlongs—
 Messrs Gubbay and Bagru's Stage Struck
 (9st 7lbs), Ruby 1
 Mrs A M Nassch's Little Mary (7st
 7lbs), Holland 2
 Mrs B Louer's Jack's Wink (8st 12lbs),
 Flynn 3
 Mr C F Bloss's Maid of Honour (8st
 13lb) Glennons 4
 Won by 1½ length, 1 length, ½ length
 Time—2 mins 32 secs

Monsoon Cup Distance about 1 mile
 3 furlongs—
 Maj-Gen H K Bethell's Jujube (8st 11lbs),
 Baker 1
 Mr Sedaqut Hussain's Polish Pride (10st
 3lbs), Jocky 2
 Mr Pannick's Silvadore (7st 10lbs),
 Holland 3
 Lt Col W R Elliot's Warrego (9st
 2lbs) Marland 4
 Won by 2 lengths, 1½ lengths, ½ length
 Time—2 mins 24 4-5 secs

Thaddeus Cup Distance about 7 furlongs—
 Capt Elge and Mr Williamson's Tel Asur
 (9st 8lbs), Jones 1
 Mr A Hoyt's Private Seal (9st 2 lbs),
 C Hoyt 2
 Sir Osborne Smith's Hel of a Lot (7st 12
 lbs), D Rosen 3
 H H the Maharajah of Kolhapur's Grand
 Wazir (8st 11lbs), Raffaele 4
 Won by short head, 1½ lengths Time—
 1 min 26 2/5 secs

The New Year Plate Distance 1 mile,
 1 furlong—
 Mr Visvanadh's Abelard (7st 11lbs),
 S Black 1
 H E Sir George Stanley's Corviglia (7st
 3lbs), H Black 2
 Rajah of Parlakmed's Triple Crown (8st
 9lbs), Davidson 3
 Mr Rozario's Avalon (8st 3lbs), Cooper 4
 Won by length, ¾ length, 1½ length Time—
 1min 56 4/5secs

The Deomar Cup Distance 1 mile—
 Mr Thammiah's Yanoos (7st 12lbs),
 Cooper 1
 Mr Yaha's Chabookchi (8st 7lbs), Forsyth 2
 The Dowagar Maharani of Kolhapur's
 Virkumar (7st 9lbs), Whiteside 3
 Mr Shamiyan's Sabhanoor (8st), Jabbar
 Najin 4
 Won by ¾ length, 1½ lengths, neck
 Time—1min 54 3/5secs

The Turf Club Cup Distance 1½ miles—
 Mr A Hoyt's Orient (7st 5lbs), Graham 1
 Mr H M Mahomed's Collector (6st 12lbs, cd 7st 4lbs), Meekings 2
 Mr A Lookmanji's Darinooli (9st 2lbs), Evans 3
 Mr Sion F Nessim's Thaur al Iraq (9st), Selby 4
 Won by ½ length, 4 lengths, 1 length
 Time—3 mins 22 3 5 secs

The Good-bye Plate Distance 1 mile —
 H H the Maharaja of Kolhapur's Kurni II (7st 13lbs), Stokes 1
 Mr Kelso's Moti Koh (7st 13lbs), Harding 2
 Mr Eve's Insomniac (7st 3lbs), Graham 3
 Mr A C Ardeshir's Zairane (8st 4lbs), Munro 4
 Won by 1½ lengths, 2 lengths, 1½ lengths
 Time—1 min 40 secs

The Final Plate Distance about 1½ miles —
 Mr Syid Mahomed's Vira (7st 11lbs), Samdan 1
 S S Akkasheb Maharaj's Tamin 7st 11lbs, Whiteside 2
 Nawabzada Yemin-ul-Mulk's Victor (9st) Northmore 3
 Mr N Rupchand's Muayad (7st 4 lbs) Graham 4
 Won by 3 lengths, 1 length, 8 lengths
 Time—2 min 56 1-5 secs

The Second Dealer's Plate Distance 1 mile—
 Mr Fahad Rummah's Rajput (8st 4 lbs), Whiteside 1
 Mr K Ardeshir's Abdul Malik (9st 4lbs), Blyth 2
 Mr Hoosein Alwan's Karim Allah (9st 3lbs), Selby 3
 Mr Aub Asad's Legion of Honour (7st 11lbs), Simmons 4
 Won by ½ length, 1 length, short head
 Time—1 min 51 1-5 secs

The Northumberland Plate Distance 2 miles—
 Mrs L Musiy's Bucentaur (8st 4lbs), Munro 1
 Mr E S Godfrey's Monreale (7st 7lbs cd 7st 9lbs), Selby 2
 Mrs John Yoik's Trelawne (9st 3lbs) Bowley 3
 S S Akkasheb Maharaj's Rhomus (7st 4lbs), Whiteside 4
 Won by 1 length, 3 lengths, 1 length Time—
 3 mins 34 1-5 secs

The Agr Khan's Cup Distance 1½ miles—
 H H the Maharaja of Rajpipla's Invercarnie (8st 6lbs), Selby 1
 Messrs S C Ghosh and Darbani Lal's Tohunga (7st 5lbs), Whiteside 2
 Mr Eve's Pharaoh III (9st 4lbs), Brace 3

Mr J Crawford's Vamos (9st 4lbs), M Hoyt 4
 Won by head, 1 length, 1 length Time—
 2 mins 5 2-5 secs
 The Mentmore Handicap Distance 1 mile—
 Mr Eve's Pharaoh III (8st), Brace 1
 Mr P B Avasir's La Fontaine (8st 9lbs), Burn 2
 Mr Baramjee Rustomjee (Jnr)'s Ootman (8st), Dillon 3
 H H the Maharaja of Rajpipla's Spinner's Cottage (8st 7lbs), Selby 4
 Won by head, 2½ lengths, head Time—
 1 min 38 4-5 secs

Calcutta

Wellsley Plate Distance about 1½ miles—
 Mr A C Ardeshir's Ethics (9st), Jones 1
 H H the Maharaja of Kashmir's Pougatchev (9st 6lbs), Carslake 2
 Mr J J Murphy's Bray Beau (9st 7lbs), M O Neill 3
 Mr G L Lyon's Compris (9st), Warren 4
 Won by 1½ lengths, 2 lengths Time—
 2 mins 8 4-5 secs

Avaganga Cup Distance 6 furlongs—
 Mrs Lalthramby's Chranson (9st), Hill 1
 Mr S A S Annamalai Chetiar's Brutus (9st 2lbs), Burgess 2
 Mr Dur Cowasjee's Old Star (9st 4lbs), Martin 3
 Mr Lalram's Orphan (9st 9lbs), Behsman 4
 Won by a shot head, ½ length, 1 length
 Time—1 min 17 secs

The Viceroy's Cup Distance (about) 1½ miles—
 Mr Eve's Star of Italy (9st 3lbs), C Hoyt 1
 Mr Ardeshir's Ethics (9st 2 lbs), Jones 2
 Mr Edward Esmond's Sans Ame (9st 3lbs), Marland 3
 Sir David Ezar's Spenser (9st), B Rosen 4
 Won by half length, 3 lengths, 2 lengths
 Time—3 mins 1 2/5 secs

Grand Annual Distance (about) 2 miles—
 Mr C D Booth's French Phil (9st 13lbs), Harcastle 1
 Major General H K Bethells 2 Jujube, Baker 2
 Mr Mascott's Last Look (9 0 cd 9st 4lbs) Regan 3
 Mr Sedaqut Hussain's Dawn of Hope (9st 3lbs), Elmer 4
 Won by 3½ lengths, 4 length, 1½ length
 Time—3 mins 34 1/5 secs

De Soysa Cup Distance 1½ miles —

Mr C A Laing's Tawfig (7st 7lbs), Townsend	1
Mr Rigel's Waheed (8st 9lbs), Baker	2
Mr H Robert's Hercules (7st 13lbs), Wiegant	3
Mr F Fenwick's Certain (7st), Japheth	4
Won by 4 lengths, 1½ lengths Time—2mins 22 3/5secs	

Governor's Bowl Distance 1½ miles —

Mrs W B Bartlet's Cairngorm (8st 1lb), Hutchins	1
Mr C A Laing's White Cross (7st), Townsend	2
Mr's F Fenwick's Soriano (7st), Baker	3
Capt F Fenwick's Forfeit (7st), W Silva	4
Won by 1½ lengths, 1 length Time—2mins 6 3/5 secs	

Munging Cup Distance 1 mile—

Mr A C Abdeen's May Queen (7st 1lb), Black	1
Mrs G N G Walle's Yuwill (9st 3lbs), Southey	2
Mr G L Lyon's Chatternach (7st 4lbs), J Rosen	3
Mr G Pereira's The Sultan (7st 13lbs), Black	4
Won by 1½ lengths, 1½ lengths Time—1min 13 2 5secs	

Ceylon Turf Club Cup Distance 1 mile—

Mr W B Bartlet's Omseed (9st 3lbs), Marrs	1
Mr C A Laing's Whitecross (8st 12lbs), Townsend	2
Messrs R C Boustead and C R Collisson's Mount Alice (8st 5lbs), J Rosen	3
Mr Douglas Deestreet (8st 4lbs), Hutchins	4
Won by a neck, ½ length Time—1min 41 4/5 secs	

Challenge Cup—

Colombo beat Madras by 1 length

Karachi

Rattanchand Fattechand Cup Distance 1½ miles—

Mr G Alibhoy's Fakrulzaman (9st), Obaid	1
Seth Goosambhoy's Hawi (7st 13lbs), Subey	2
Seth Moosa's Atlantic (8st 5lbs), S Black	3
Mr M Contractor's Jinnet (8st 4lbs), Akbar Ali	4
Won by 1½ lengths 1 length 2 lengths Time—2 mins 59 1 5secs	

Kolhapur

R R S Cup Distance 6 furlongs—

Mrs A Higgins Fight Fair (7st 13lbs), H McQuade	1
H H the Maharaja of Kolhapur's Avalon (7st 7lbs), Bhuma Rao	2

Mr V Rosentha's Grey Cloud (9st), Dall Acqua

Mr R Higgins Phaltneran (8st 5lbs), Alford

Won by 1 length, a neck a neck—Time 1 min 15 1-5 secs

Shri Shahu Maharaja Memorial Cup Distance 1 mile—

Mr G McElligott's Roi De Montagne (8st 5lbs), Behsman	1
Messrs R Higgins and G McElligott's Long Reign (9st 3lbs), H McQuade	2
Dowager Maharani of Kolhapur's Ehra's Star (7st 10lbs), Harding	3
H H the Maharaja of Kolhapur's Bridgethorn (7st 10lbs), Stokes	4
Won by ½ length, a short head ½ length Time—1 min 41 2 5secs	

Sir Leslie Wilson Cup Distance 1½ miles—

H H the Maharaja of Kolhapur's Naraven (8st 2lbs), Forsyth	1
Messrs Humid Jamoor and Diamond's Broker (9st 9lbs), Dall Acqua	2
Dowager Maharani of Kolhapur's Adhba II (9st 3lbs), Harding	3
Mr R Kashibhoy's Karim Beg (8st 3lbs), Bhumrao	4
Won by short head short head ½ length Time—2 mins 24 1 5secs	

Maharaja Cup Distance 1½ miles—

Meherban Rao Bahadur D A Surve's Bridgethorn (7st 8lbs), Stokes	1
Messrs R Higgins and G McElligott's Long Reign (9st 7lbs), H McQuade	2
Dowager Maharani of Kolhapur's Ehra's Star (7st 10lbs), Harding	3
Mr C Temoolji's Sky Hawk (7st 9lbs), Behsman	4
Won by ¾ length ¾ length 1 length Time—2 mins 13 1 5secs	

Shri Shivaji Maharaja Commemoration Cup Distance 1 mile—

The Maharaja of Kolhapur's Hosewater (10st 12lbs), Forsyth	1
The Dowager Maharani of Kolhapur's Shiva Prasad	2
The Akkasahab Maharaja's Saloon (10st)	3
Won by ½ length and ¾ length Time—1 min 49 secs	

S S Akkasahab Maharaj Cup Distance 1½ miles—

Dowager Maharani of Kolhapur's Shiva Prasad (7st 3lbs), Alford	1
H H the Maharaja of Kolhapur's Rosewater (10st 12lbs), Forsyth	2
Dowager Maharani of Kolhapur's Saloon (9st 7lbs), Harding	3
Won by neck ¾ length Time—2 mins 14 1-5 secs	

Cammichael Cup Distance about 1½ miles —
 H H the Maharaja of Kashmir's
 Pongatchey (9st 11lb), Carslake
 Mr Lee's Star of India (9st 6lb), C Hoyt
 H H the Maharaja of Kolhapur's Grand
 Wazir (9st 11lb), Jones
 Mr J J Murphy's Bray Beau (9st 11lb),
 Raffale
 Won by a short head, 1½ lengths, 2½ lengths
 Time—2mins 7secs

Beresford Cup Distance about 1½ miles —
 Messrs Gubbay and Bigree's Stage Struck
 (8st 4lb), Field
 Mr A H C Rostron's Balmv Prince (8st
 3lb), Ermer
 Mr K Basu's King Finch (7st 6lb), Flynn
 Sir D Ezra and Mr Aikman's Steer Clear
 (7st 4lb), Christie
 Won by ½ length, ½ length, 1½ lengths
 Time—3mins 3 1/5 secs

Governor's Cup Distance about 1½ miles —
 H I the Viceroy's Complet (8st 3lb),
 Walker
 Mr M A C Scott's Irish Times (7st 6lb),
 Christie
 Mr A Hoyt's Blackette (7st 10lb), C Hoyt
 Mrs C M Stewart's Golden Carp (8st 9lb),
 Bartham
 Won by a short head, 3 lengths, 1½ lengths
 Time—3mins 4secs

Ronaldshay Cup Distance about 6 furlongs
 H H the Maharaja of Kashmir's
 Pongatchey (9st 7lb), Carslake
 Sir David Ezra's Iascicle (8st 7lb),
 Bartham
 Capt J Crawford's Yamos (8st 7lb), M
 Hoyt
 Mr G D Nahapiet's Ramilies (8st), Bezant
 Won by a head, a short head, a short head
 Time—1min 14 3/5secs

February Hurdle Plate Distance about
 1½ miles—
 Mr P Pogose's Belle Legend (9st 2lb),
 Ermer
 Major General H K Bethell's Don Patrick
 (10st 4lb), Baker
 Mr H M Thaddeus's Southerner (10st 11lb),
 Raley
 Messrs Bhattar and Poddar's Alfa Romeo
 (9st 4lb, cd 9st 6lb), Regan
 Won by a neck, ½ length, ½ length Time—
 2mins 45 4-5secs

Final Plate Distance (about 7 furlongs —
 Mr R F Alexander's Silver (8st 7lb),
 Ermer
 Mr V J Monsour's Norrpy (8st 10lb),
 Edwards
 Mr H M Thaddeus's Belterzo (9sts), Brond
 Messrs Varma and Capt Goldsmith's Greek
 Margaret (8st 6lb), Flynn
 Won by a head, 1½ lengths, short head
 Time—1min 28 4-5secs

Colombo.

Governor's Cup Distance 1 mile 3 furlongs—
 Mr G L Lyon's Compris (9st 3lb), 1
 Warren
 Mrs G N G Wiles's Yuwall (9st 3lb), 3
 Williams
 Mr G L Lyon's Chatternach (9st 3lb), 3
 Williams
 Mr G Fellows' and Major A T S Fether-
 ston Haugh's Blissful (9st 3lb), Burgess 4
 Won by 3 lengths, 2½ lengths Time—
 2 min 32 4-5 secs

Robert's Cup Distance 1 mile —
 Mr Douglas's Manik (9st 11lb), Marrs 1
 Mr S Muthukumaraswami's Balloon (8st), 2
 H Black
 Mr Chandra's Raham (7st 4lb), Bell 3
 Mr R K Venon's Statesman (8st 11lb) 4
 B Rosen
 Won by 1½ lengths 1 length Time—
 1 min 53 2 5 secs

Bandaranaike Cup Distance 5 furlongs
 2½ furlongs —
 Mr A C Abdeen's Swindler (7st), B 1
 Rosen
 Mr G L Lyon's Fairdoss (7st 6lb), 2
 Warren
 Mr Douglas's Alder II (7st 8lb), Williams 3
 Mr Dhanoon bin Yusuff's Bahiz Pasha (9st
 6lb), Burgess 4
 Won by a head, 1 length Time—1 min
 11 4-5 secs

Colombo Cup Distance 1 mile 3 Furlongs —
 Mr P J Stanley's Trickster (7st 12lb), 1
 Warren
 Capt Fenwick's Star of India (7st 6lb), 2
 B Rosen
 Mr G R Krishna's Star of Ceylon (9st), 3
 Baker
 Mr Douglas's Wise Morn (7st 8lb), Ward 4
 Won by 2 lengths, a neck Time—2 mins
 31 secs

Galle Cup Distance 1½ miles—
 Capt Fenwick's forfeit (7st), B Rosen 1
 Miss Brenda Samarasinghe's Gabelone
 (7st 4lb), Bell 2
 Mr C A Lving's White Cross (8st 6lb), 3
 Townsend
 Mrs A Sellamuttu's Bristol Fleet (7st), 4
 Black
 Won by 1½ lengths, 1 length Time —
 2 mins 38 secs

Madras Cup Distance 1½ miles—
 Mr P J Stanley's Sunaidan (9st 4lb), 1
 Warren
 Mr Douglas's Manik (9st 8lb), Marrs 2
 Mr E Hazamy's Shahzaman (7st 4lb), 3
 Baker
 Mr Chandra's Raham (7st 2lb), B Rosen 4
 Won by ½ length and neck Time—2 mins
 56 4 5 secs

Harcourt Butler Cup Distance 5 furlongs—

Mrs G Dudley Mathew's Little White Lies (8st 9lbs), Balfour 1

Mr Kashucharan and Raja Mohan Munnich's Philroe (7st 6lbs), Wallace 2

Mr F Russell Stewart's Rathowen (8st 2lbs), Bunnett 3

Lt-Col T Burridge's Kenya (9st 5lbs), Bartham 4

Won by $\frac{1}{2}$ length, $\frac{1}{2}$ length and $1\frac{1}{2}$ length
Time—1 min 31 5 secs

Nanpura Cup Distance 1 mile—

Dr Behraj Sharma's Sunbow (8st 13lbs), Purtoosingh 1

Mr F Russell Stewart's Rathowen (8st 4lbs), Bunnett 2

Sir Henry Clark Johnson's Walker (8st 2lbs), Leeson 3

Mr Kashi Churn and Raja Bahadur Maracha's Troubadour (9st 12lbs), Wallace 4

Won by $2\frac{1}{2}$ lengths, a short head, lengths
Time—1 min 44 2 5 secsLouis Stuart Cup Distance 1 $\frac{1}{2}$ miles—

Lt Col Ade C Rennick Tilmuk (9st 4lbs), J O'Neale 1

Mr J Lorang's Flying Friar (8st 13lbs), Capt Beirvid 2

Raja Jagat Kumari and Mr T Thompson's A La Violette (8st 4lbs), Bunnett 3

Mr S Khanna's Knight's Service (7st 10lbs), Leeson 4

Won by $2\frac{1}{2}$ lengths, $\frac{1}{2}$ length, 3 lengths
Time—2 mins 43 1-5 secs

Oudh Arab Cup Distance 7 furlongs Cup Course—

Mr G Dudley Mathew's Raffle (8st 9lbs), Balfour 1

Lt Col A S Kirkwood Florio (7st 3lbs, ear 7st 6lbs), Jones and 2

Arjun Singh Sicab (8st 4lbs), Tvmom 2

Lt-Col Burridge's Knight Bachelor (9st 15lbs), Roxburgh 4

Won by 3 lengths Time—1 min 42 secs

Lucknow Grand National Distance about 2 miles 5 furlongs Steeplechase Course—

Capt G T Wheeler's Rejection (10st 6lbs), Capt Wansbrough Jones 1

Mr P M H Edward's Donore (13st), Owner 2

Mr C P Sherston Var Olum (9st 6lbs), Lachman Singh 3

Lt Col T Burridge and H M MacLaurin's Half Note (10st 12lbs), Delhi 4

Won by 2 lengths Time—5 mins 35 secs

Army Cup Distance 7 furlongs—

Major Fulton's Curragh Rose 1

Lt-Col Burridge's Kenya 2

Major Hodgins's Tripoli 3

C E D Cooper's Bloomsbury Square 4

Won by $1\frac{1}{2}$ lengths

Stewards' Cup Distance 7 furlongs (Cup Course)—

Kunwar Udu Pratapsingh's Cranston (7st 12lbs), Wallace 1

Malik Mohd Khan Tiwana's Corban (9st 7lbs), Purtoosingh 2

Major A Hodgins's Antaeus (8st 7lb), Siely 3

Rang Bahadur's Sweet Fragment (8st), Leeson 4

Won by $1\frac{1}{2}$ lengths, short head $1\frac{1}{2}$ lengths
Time—1 min 28 3 5 secs

Madras

Mysore Cup Distance 1 mile—

H H the Maharajah of Kolhapur's Rosewater (8st), Forsyth 1

Mr Swamy's Tout De Suite (9st 12lbs), Rook 2

H H the Dowager Maharani of Kolhapur's Saloon (7st 6lbs), Whiteside 3

Mr S A A Annamalai Chettiar's Brutus (8st 10lbs), Davison 4

Won by 5 lengths, 2 lengths, $1\frac{1}{2}$ lengths
Time—1 min 43 3 5 secs

The Nizam's Cup Distance 1 mile—

Mr S A A Annamalai Chettiar's Broadway Joe (7st 11lbs), Davison 1

Mr S A A Annamalai Chettiar's Sauer Kraut (9st 4 lbs), Burgess 2

H H the Maharajah of Venkatagiri's Queen of Mars (8st 5lbs), Rook 3

Mr Rozario's Oratorio (7st 9lbs, ear 7st 9lbs), Fletcher 4

Won by $\frac{1}{2}$ length, $1\frac{1}{2}$ lengths, $\frac{1}{2}$ length
Time—1 min 45 secs

The Governor's Cup R C and Distance—

Mr Govindaraj and Capt Davis Helen's Glory (7st 6lbs), H Black 1

The Akkasaheb Maharaj's Rhonius (8st), Whiteside 2

Mr Nugent Grant's Dabra (7st 6lbs), Rook 3

The Maharajah of Venkatagiri's Ignace (8st 6lbs), S Black 4

Won by $2\frac{1}{2}$ lengths, $1\frac{1}{2}$ lengths, short head
Time—2 mins 51 1 5 secs

The Kirlampudi Cup Distance 6 furlongs—

Mr S A A Annamalai's Good Biz (7st 10lbs), Davison 1

Mr Somasundaram's Eothen (7st 6lbs), H Black 2

H H the Maharaja of Mysore's Lignan (9st 4lbs), Hill 3

H H the Maharajah of Mysore's Hillcot (9st 4lbs), H McQuade 4

Won by short head, $1\frac{1}{2}$ lengths, $1\frac{1}{2}$ lengths
Time—1 min 15 2 5 secs

Ansahab Maharaj Cup Distance 1½ miles —
 Chief of Miraj's (Tr) Jalal (8st), Harding Dead
 Mr H C H Jusab s Firaj Pasha (7st 10lbs)
 Fletcher heart 1
 Mr L S Luvani's Regard (9st), Forsyth 3
 Mr. F H Claridge's Kurdi (7st 13lbs),
 Stokes 4
 Won by dead heart 2 lengths and neck
 Time—2 mins 23 1-5 secs

Lahore.

Jammu Cup Distance (about) 5 furlongs—
 Mr S Bhagatsingh and Mr S Khar Singh s
 Spartan Queen (8st 7lbs), Purtoosingh 1
 Capt R K Garrow's Hush-a-Bye (9st
 9lbs), J M Bernard 2
 Messrs H O Hay and R N Shah's Little
 Welsh (8st 11lbs), Tymon 3
 Mr S Bhagatsingh s Pawan (7st), Ghassia 4
 Won by half a length, neck and half a length
 Time—1min 3 4-5secs

roduce Cup Distance (about) 6 furlongs—
 Mrs K R Mehra's Chel (8st 3lbs), 1
 J J Wallace 1
 Capt J M Bernard's Sugar Daddy (9st
 1lb), Owner 2
 Mr J M MacGregor's Barbarian (8st 3lbs),
 E Roxburgh 3
 Sir Henry Crick and Mr R G Saule's Young
 Minx (8st), Leeson 4
 Won by a neck, neck and 1½ lengths
 Time—1min 16 4 5secs

Indian Grand National Distance (about
 3 miles—
 Mr P M H Edwards Donore (11st
 4lbs), Owner 1
 Mr R K Bowie's Night Jar (12 st 7lbs),
 Capt G H B Wood 2
 Mr C P Sherston's Varplum (9st 9lbs),
 Major Davy 3
 Capt Wheeler's Rejection (10st 9lbs),
 carried 10st 10lbs Owner 4
 Won by a distance, 6 lengths, and 1 length
 Time—6mins 15 2-5secs

Stewards' Cup Distance (about) 1 mile—
 Mr Kashi Charan's Lisallen (9st 11lbs),
 J J Wallace 1
 Major A Hodgkin's Trapoi (8st), Holland 2
 Capt J M Bernard's Popcorn (8st
 1lbs), Balfour 3
 Kumar Uday Partapsingh's Cranston (9st
 13lbs), Tymon 4
 Won by a neck, 1 length and neck Time—
 1min 42secs

Punjab Hurdles Distance (about) 2 miles—
 Capt P J Hilliard's Dulcye (9st 7lbs),
 J Donnolly 1
 Mr A Abel Smith's Absorbent (9st),
 P M H Edwards 2
 Major A Hodgkin's Antreus (11st 7lbs),
 Dalziel 3

Mrs G Dudley Matthews and Miss H
 Boga's (12st), Mr W F Lamb 4
 Won by a neck, neck and three lengths
 Time—3mins 44 1/5secs

Merchants' Cup Distance about 7 furlongs—
 Messrs S Bhagatsingh and S Kher Singh's
 Spartan Queen (8st 12lbs), Leeson 1
 Mr Suktos Mall's Authority (9st 11lbs),
 Purtoosingh 2
 Sir Henry Crick and Capt Sanlez s Four at a
 Glance (9st 9lbs), J Donnolly 3
 Capt R K Garrow's Hush a Bye (9st
 12lbs), Capt J M Bernard 4
 Won by half a length, 3 lengths, a neck
 Time—1min 32 1/5secs

Governor's Cup Distance (about) 1½ miles—
 Mr Abdul Hamid's Balkan Baron (8st
 8lbs), Leeson 1
 Messrs Kashi Charan and Raja Mohan's
 Philroc (8st 5lbs), J J Wallace 2
 Mr H O Hay's Fancy Free (7st 12lbs),
 Balfour 3
 Mrs K R Mehra's Chel (7st 11lbs),
 Holland 4
 Won by a neck, 2 lengths, half length
 Time—2mins 9 3/5secs

Indian Griffin Plate Distance (about)
 6 furlongs—
 Mr Mohd Zaman's Follorn Hope (9st
 12lbs), E Roxburgh 1
 Mr Abdul Majid s Night Club (8st 11 lbs),
 Purtoosingh 2
 Mr Itbaikhan's Mansion Polish (9st 10lbs),
 Balfour 3
 Mr Sherjang's Be Prepared (8st 10lbs),
 J J Wallace 4
 Won by ½ length, 3 lengths, and 1 length
 Time—1min 19 4/5secs

Lucknow.

Governor's Cup Distance 5 furlongs Cup
 course—
 Mr Kashicharan's Bardley (7st 12lbs),
 Wallace 1
 Mr Radha Mohan and Capt M Cox Dame
 Herodene (8st 12lbs), J O'Neale 2
 Mr S C Woodward's Arch Lady (7st
 9lbs), Balfour 3
 Raja of Nazarganj and Mr C B Farrar's
 'Lovely One (9st 4lbs), Lowrey 4
 Won by 5 lengths, 1½ lengths, 1½ lengths
 Time—1 min 3 secs

Civil Service Cup Distance 7 furlongs—
 Raja Jagat Kumal and Mr J Thompson's
 A La Violette (7st 10lbs), Christie 1
 Mr Kashicharan's Lisallen (8st), Wallace 2
 Lt-Col A de C Rennick's Telamark (9st
 4lbs), O'Neale 3
 Rani of Nazarganj's Elegant (8st 3lbs),
 Bartlam 4
 Won by a head, 3 lengths and 2 lengths
 Time—1 min 28 2 5secs

Racing

The Ceylon Cup (Div II) Distance 1 mile—
 Rajah of Parakimedi's Triple Crown (9st 4lbs), Davison 1
 Mr Ahmed's Wet Summer (8st 13lbs), Rook 2
 Messrs Govindaraj and Capt D'Arcy's Mallick (8st 7lbs), Southey 3
 Mr Willes' Kornloff (7st 7lbs), H Black 4
 Won by $\frac{1}{2}$ length, 2 $\frac{1}{2}$ lengths, 1 $\frac{1}{2}$ lengths
 Time—1 min 42 2 5 secs

The Farewell Plate Distance 1 mile—
 H H the Maharaja of Venkatagiri's Queen of Mair (8st 12lbs) Rook 1
 Mr Fradon's Broken Link (8st 7lbs), Davison 2
 H H the Maharaja of Mysore's Rosnaree (9st 2lbs), Hill 3
 Mrs Fenwick's Souriso (8st 11lbs), Southey 4
 Won by a head, head, 1 $\frac{1}{2}$ lengths Time—1 min 41 3 5 secs

The Good Bye Plate Distance 1 mile, 1 furlong—
 H H the Maharaja of Kolhapur's Wincock Bunker (9st 1lb), Forsyth 1
 Mr Fradon's Harvard (7st 8lbs), Rosen 2
 Mr Murugappa Chettiar's Irish Star (8st 12lbs), Roberts 3
 Mr Hayhoe's Fan Belle (8st), Southey 4
 Won by $\frac{1}{2}$ length, $\frac{3}{4}$ length, $\frac{1}{2}$ length
 Time—1 min 15 3 5 secs

Cochin Cup Distance 1 $\frac{1}{2}$ miles—
 Mr Imamdin's Abrash (8st 5lbs) Thompson 1
 Mr Mohamed's Fury (7st 8lbs), Black 2
 Mr Ladhahoy's Saada II (9st 4lbs), Rook 3
 Messrs Gramany and Shammugam's Gagi (8st 4lbs, ed 8st 5lbs) Sprackman 4
 Won by a head, 2 lengths, 1 $\frac{1}{2}$ lengths Time—2 mins 54 4 5 secs

Hajee Sir Ismail Salt Cup Distance 1 mile—
 H H the Maharajah of Kolhapur's Young Chayna (8st 6lbs), Forsyth 1
 Mr Syed Mohamed Bir's Permacol (7st 6lbs), H McQuade 2
 Mr Fradon's Takreet (8st 13lbs), Southey 3
 Mr Ebrahim's Match Box (8st 8lbs), Aldridge 4
 Won by $\frac{1}{2}$ lengths, $\frac{1}{2}$ length, length
 Time—1 min 54 3 5 secs

The Trades Cup Distance 1 $\frac{1}{2}$ miles—
 Mr Nugent Grant's Bathurst (7st 13lbs), Rook 1
 Nawab Mahdjung Bahadur's Magic Runner (7st 13lbs), H McQuade 2
 Mr Piter's Frost (8st 5lbs), Cooper 3
 H H the Maharajah of Kolhapur's Bridge thorn (9st 6lbs) 4
 Won by 3 lengths, 2 lengths, $\frac{1}{2}$ length
 Time—1 min 16 secs

Mysore

Haji Sir Ismail Salt Cup Distance 1 mile—
 Messrs Gramany and Shammugam's Jinny (7st 12lbs), Dillon 1
 Mr Temoolji's Hazima (8st 8lbs), Forsyth 2
 Mr H Ahmed's Fakri Pasha (8st 13lbs), Southey 3
 Chief of Miraj's Khumavassra (9st 6lbs), Clarke 4
 Won by 1 length, 3 lengths, 1 length
 Time—1 min 53 1-5 secs

Ootacamund

The Hajee Sir Ismail Salt Cup Distance 7 furlongs—
 Dowager Maharani of Kolhapur's Hishan (8st 6lbs), Forsyth 1
 Mr A G Rangilla's Yeman (7st 11lbs), H McQuade 2
 Khan Bahadur Razack's Mulster (8st 5lbs), Cooper 3
 Capt Lane's Narany (7st 10lbs), Aldridge 4
 Won by head, $\frac{3}{4}$ length, length Time—1 min 45 4 5 secs

The Sivaganga Cup Distance 1 $\frac{1}{2}$ miles—
 Capt Elgee and Mr Williamson's Orlebar (7st 10lbs), Flynn 1
 Mrs Rozario's Sins Avis (9sts 4lb), Southey 2
 Mrs Louer's Jack's Wink (8st 13lbs), Glennon 3
 Raja of Sivaganga's Sugunthala (8st 8lbs), Rylands 4
 Won by $\frac{3}{4}$ length, length, $\frac{1}{2}$ length Time—2 mins 18 4 5 secs

Guindy Cup Distance 7 $\frac{1}{2}$ furlongs—
 Mr Govindaraj and Capt D'Arcy's Jamil (7st 2lbs), H Black 1
 Mrs Marshall's Bakhtiar (9st 6lbs), Forsyth 2
 Messrs Surana and Kering's Fayik (8st 5lbs), Cooper 3
 Mr Drwood Shah's Mansur Pasha (8st 4lbs), Hill 4
 Won by $\frac{1}{2}$ lengths, short head, 2 $\frac{1}{2}$ lengths
 Time—1 min 50 1-5 secs

Governor's Cup Distance 1 mile, 3 furlongs—
 Mrs Rozario's Sins Avis (7st), Flynn 1
 Mr Pogose's Belle Legend (9st 12lbs), Glennon 2
 Mrs Louer's Jack's Wink (7st 8lbs), Mendoza 3
 Mr Govindaraj's Val Haki (7st 5lbs), H Black 4
 Won by $\frac{1}{2}$ lengths, a head length
 Time—2 mins 24 4 5 secs

The Metropolitán Distance about 6 furlongs —
Major A W Molony's Argosheir (8st 5lbs), Jones 1
Messrs Clarke and Poddar's Filter (8st 8lbs), Walsh 2
Mr Curlender's Dodger (8st 5 lbs), Rosen 3
Mr G E Nahaplet's Ramulus, Burtlam 4
Won by 1 length, 1 length, 3 lengths
Time —1min 12 4/5secs

The Cooch Behar Cup Distance about 1 mile and 3 furlongs —
H H the Maharaja of Kashmir's Le Commaire (8st 13lbs), Cirsake 1
Sir David Ezra's Spenser (9st), Merland 2
Mrs G Anthony's Fanade (7st 7lbs), Rosen 3
H H the Maharajah of Kolhapur's Grand Wazir (9st 1lbs), Jones 4
Won by a head, neck and 1 1/2 lengths
Time —2mins 21 4/5secs

The New Year Plate Distance about 1 mile —
Messrs Clarke and Poddar's Siskatoon, Raffale 1
Mr C A Lings Silvertown (7st 9lbs), Raffale 2
H H the Maharaja of Kashmir's Cospatrick (9st 4lbs), Cirsake 3
Mr A H C Rostron's Ghasside (8st 9lbs) Ermer 4
Won by a head, 1/2 length, short head
Time —1min 39 4/5secs

Venkatagiri Cup Distance 6 furlongs —
The Dowager Maharani of Kolhapur's Hattamtai (7st 7lbs), Whiteside 1
H H The Maharaja of Kolhapur's Mutaseri (8st 1lb), Forsyth 2
Mr Wahab's Grey King (9st), Sprackman 3
Messrs Chetti, Noronha and Appa's Star King (7st 10lbs), Behsman 4
Won by a head, 1/2 length, a neck
Time —1min 23 1/5secs

The R C T C Cup Distance 1 1/4 miles —
Mr Mohamed Oomer's Golden Yew (8st 4lbs), Thompson 1
Mr Rosenthal and Capt Crawford's May Bride (8st 7lbs), H Black 2
Mrs Nugent Grant's Time Limit (8st 1 lb), Rook 3
Rajah Dhanujgir's Rime (9st), Forsyth 4
Won by 1/2 length, a short head, 1/2 length
Time —2min 1/2sec

The Knowsley Cup Distance 1 1/2 miles —
H H the Maharaja of Kolhapur's Bridge Thorn (9st 4lbs), Forsyth 1
Rajah of Bobbili's Rev (8st 6lbs), Davison 2
Mr Patel's Frost (8st 4 lbs), Hill 3
Mr Govindaraj and Capt D Arcy's Irish Love (7st 8lbs), Hine 4
Won by 1/2 length, a short head, a neck
Time —2mins 40secs

The Merchants Cup Distance 1 mile, 1 furlong—
Mr Somasundaram's Fors Abbey (7st 4lbs, cd 7st 7lbs), Behsman 1
Mr S A A Annamalai Chettiar's Broadway Joe (8st 3lbs), Davison 2
Mr Radoons Broken Link (7st 10lbs), B McQuade 3
Rajah Dhanujgir's Rime (8st 10lbs), Forsyth 4
Won by short head, 1 1/2 lengths, 1/2 length
Time—1 min 54 1-5 secs

The Bobbili Cup Distance 1 mile—
Rajah Dhanrajgir's Prince Ghazi (9st 4lbs), Rosen 1
Mr Thammiah's Yanoos (8st 13lbs), Burgess 2
Mr Oosman Chotani's Sattim (9st 4lbs), Forsyth 3
Dowager Maharani of Kolhapur's Hattamtai (8st 11lbs), Whiteside 4
Won by head, 1/2 length, 1/2 length Time—1 min 52 4-5 secs

The Maharani of Venkatagiri Cup Distance 7 furlongs—
Mr S A A Annamalai Chettiar's Brutus (8st 8lbs), Davison 1
Dewan Bahadur Murugappa Chettiar's Chorus Girl (7st 5lbs, cd 7st 8lbs), Roberts 2
Mr Dara Cowasjee's Old Scav (8st 7lbs), Rosen 3
Mr Swamy's Tout de Suite (10st 7lbs), Hill 4
Won by a short head, 2 1/2 lengths, 1 1/2 lengths
Time—1 min 29 secs

The Ramnad Cup Distance 1 mile, 1 furlong—
H E Sir George Stanley's Corviglia (7st 12lbs), H Black 1
Mr Ahmed's Wet Summer (7st 13lbs), Rook 2
The Hon the Rajah of Bobbili's Rev (8st 9lbs), Davison 3
Mr Patel's Frost (8st 6lbs), Aldridge 4
Won by a head, 1/2 length, 1 1/2 lengths
Time not taken

The Ceylon Cup (Div I) Distance 1 mile—
Mr S A A Annamalai Chettiar's Hill Flower (8st 4lbs), S Black 1
Mrs Fenwick's Sorriso (9st 4lbs), Baker 2
Mr Rozario's Madge Mee (8st 11lbs), Forsyth 3
H E Sir George Stanley's Corviglia (7st 12lbs), H Black 4
Won by 1/2 length, 1/2 length, length Time—1 min 41 4 5 secs

The Ganeskhund Plate Distance 6 furlongs—	
Mr Diamond s Kum Bak (9 st 5lbs), Munroe	1
Mr P B Avastis La Fortune (8st 6 lbs), Harding	2
Hon'ble Sir H M Mehta s Spanish Wish (8st 2lbs), Blythe	3
Mr Eve s Gay Day (7st 7lbs, ed 7st 8lbs), M Hoyt	4
Won by neck, 1 length, short head Time—1 min 16 secs	
The Western India Stakes Distance 1½ miles—	
H H the Maharaja of Rajpura s Spinner s Cottage (7st 13lbs), Selby	1
Mr J J Murphy s Biav Baku (8st 10lbs), Howell	2
Mr Oscott's Private Seal (8st 6lbs), Alford	3
Mr Oscott and Mrs C Malone's Glenalmond (8st 10lbs), Peck	4
Won by ¾ length, short head, neck Time—2 mins 8 secs	
The Sandhurst Plate Distance 6 furlongs—	
Mr A Higgins s Ethics (8st 4lbs), Brace	1
H H the Maharaja of Rajpura's Westerner (7st 4lbs, ed 7st 5lbs), Dillon	2
Mr Diamond's Kum Bak (9st 7lbs), Howell	3
Mr Eve s Star of Italy (9st 7lbs), C Hoyt	4
Won by 1 length, 2½ lengths, neck Time—1 min 13 3 5 secs	
The Ascot Plate Distance 1 mile—	
Messrs A C Ardeslur and P D Bolton s Heremia (8st 4lbs), Munroe	1
Mr S A A Annamalai Chettiar's Sauer Kraut (7st 11lbs), Dillon	2
Mr Diamond s Galloping Major (7st 10lbs), Evans	3
Mr E S Godfrey s Charmaine (8st), Dallacqua	4
Won by ¾ length, 1 length, short head Time—1 min 42 3 5 secs	
The Willingdon Cup Distance 1½ miles—	
H E The Viceroy s Honeydew (9st 2lbs), Walker	1
Mr Eve's Rosette (8st 12lbs), Brace	2
Mr Eve's Johnnie Walker (8st), S Black	3
H H the Dowager Maharani of Kolhapur s Saloon (7st 8lbs), Whiteside	4
Won by 2 lengths, 2 lengths, ½ length Time—2 mins 43 2 5 secs	
The Ebor Handicap Distance 1½ miles—	
Mr M C Watchorn and Mr J J Murphy's Bonne Tete (7st 10lbs), White	1
Mr Eve's Superlative (6st 12lbs), McCarthy	2
Mr K Muncherji's Custodian (8st 3lbs), Burn	3
Mr Kelso's Phare (8st 2lbs), Harding	4
Won by 1 length, short head, neck Time—2 mins 13 4 5 secs	

Secunderabad.

Khaja Pershad Cup Distance 7 furlongs—	
Mr S Alibir s Taj As'ad (7st 11lbs), B McQuade	1
Mr N Rupchand's Taj Kasma (7st 3lbs), Samdan	2
Mr Mujeeb Jurgess s Shahar (9st 8lbs), Marrable	3
Mr R N Brana s Malboob Tawfiq (7st), Leeson	4
Won by neck, length, short head Time—1 min 35 4 5 secs	
Fakhrul Mulk Cup (Div I) Distance 5 furlongs—	
Mr S Mohamed Bir s Nassaf (7st 5lbs), Samdan	1
Messrs Surana and Kering s Mattar (8st 12lbs), Howell	2
Mr E Sulleman's Ismail Pasha (9st 1lbs), Leeson	3
Mr Rashood Bin Mohamed's Bahiryah (9st 2lbs), Obaid	4
Won by short head, short head, neck Time—1 min 9 4-5 secs	
Shah Yar Tung Memorial Cup Distance 6 furlongs—	
Mr Sultan Chinoy s Qui Vive (9st 4lbs), Obaid	1
Nawab Mir Medhi Ali Khan's Vivimeter (7st 7lbs), Aldridge	2
The Rajah of Sivaganga's Sky Commander (8st 9lbs), McCarthy	Dead Heat
Nawab Mir Medhi Ali Khan's Magic Runner (7st 3lbs), Leeson	
Won by neck, half length, dead heat Time—1 min 15 1-5 secs	
Fakhrul Mulk Cup (Div II) Distance 5 furlongs—	
Mrs Lane's Aboujenah (7st 9lbs), H Black	1
Mr E Sulleman's Rajub Pasha (8st 9lbs), Obaid	2
Mr S M Bir's Permacil (7st 12lbs), Samdan	3
Mr Shamlan's Kurtuba (8st 9lbs), Howell	4
Won by length, short head, neck Time—1 min 9 secs	
Moinud Dowla Cup Distance 5 furlongs—	
Mr Abdul Razaq's Magnetic (9st 4lbs), Obaid	1
Mr Lalvani s Orphan (9st 3lbs), Marrable	2
Nawab Mir Medhi Ali Khan's Wholea (8st 5lbs), Aldridge	3
Major Forster s Manor (8st 2lbs), Black	4
Won by length, length and half length Time—1 min 4 4 5 secs	

The Madras Cup (Div I) Distance 7½ furlongs —
 Mr K Basu's Torford (8st 6lbs), Rylands 1
 Mr Wishart's Koonur II (7st 5lbs), H Black 2
 Mr Varm's Princess Maeve (9st 2lbs), Forsyth 3
 Akkasheb Maharaj of Kolhapur's Daryasagar (7st 11 lbs), Alford 4
 Won by 4 lengths, short head, ½ length
 Time — 1 min 35 1 5secs

The Madras Cup (Div II) Distance 7½ furlongs
 H E Sir George Stanley's Roundelay (7st 4lbs), H Black 1
 Miss Lilavanti Bhosle's Gadyach (7st 11b), Alford 2
 Nawab of Banganapalle's Joli Blond (7st 1 lb), Mendoza 3
 Mr Vishwanade's Herring (8st 6lbs), O'Neale 4
 Won by 2 lengths, 1 length, 1 length
 Time — 1 min 35 2-5secs

Poona

The Agr Khan's Cup Distance 1½ miles —
 H H the Maharaja of Rajpipla's Shipshape (8st 7lbs), Bowley 1
 Mr A C Ardeshr's Ethics (9st), Munroe 2
 H H the Maharaja of Rajpipla's Highness (8st 7lbs), Dall Acqua 3
 Mr J J Murphy's Bray Beau (9st 2lbs), Howell 4
 Won by neck 1 length head Time — 2 mins 44 2 5secs

The Trial Plate Distance 1 mile —
 Mr A C Ardeshr's Ethics (9st 2lbs), Walker 1
 Mr Oscott's Private Seal (9st 2lbs), Peck 2
 Hon'ble Sir H M Mehta's Spanish Wish (9st), Burn 3
 Mr Diamond's Kum Bak (9st 2lbs), Howell 4
 Won by 4 lengths, short head, neck Time — 1 min 48 2-5secs

The Paddock Plate Distance 6 furlongs —
 Mr S E Pishori's Hero Worship (6st 12lbs, cd 7st 2lbs), B McQuade 1
 Mr A M Khairuz's Francolin (6st 10lbs, cd 6st 11lbs), Graham 2
 Mr K Munchery's Custodian (7st 13lbs), A Clarke 3
 H H the Maharaja of Kolhapur's Radhapyari II (7st 7lbs), Bhagurao 4
 Won by 3½ lengths, 2 lengths, 2 lengths
 Time — 1 min 17 4-5secs

The Autumn Plate Distance 1½ miles —
 Mrs John Yorke's Trelawne (7st 9lbs), Cooper 1

H H the Maharaja of Kolhapur's Mahasagai (7st 13lbs), Dillon 2
 Mr J J Murphy's The Staff (8st 12lbs), Howell 3
 The Chief of Bajar's Greek Burn (8st 5lbs), Obaid 4
 Won by 1 length, 5 lengths, 3 lengths
 Time — 1 mins 43 3-5secs

The Criterion Distance 7 furlongs —
 Mr Eve's Heritage (8st 3lbs), Brace 1
 Mr P B Avasthi's La Fontaine (8st 11lbs), Dillon 2
 Mr Kelso's Phue (8st 3lbs), Harding 3
 H H the Maharaja of Rajpipla's Varsity Express (7st 10lbs), Selby 4
 Won by 2 lengths, 3 lengths, neck
 Time — 1 min 31 4-5secs

The September Plate Distance 1½ miles —
 Mr Oscott and Mrs M Tyrell's Blackette (8st 3lbs), Peck 1
 Mr N Beg Mahomed's Chivalresque 2
 Mr S E Pishori's Hero Worship (7st 11lbs), B McQuade 3
 Mr Diamond's Galloping Major (7st 12lbs), Whiteside 4
 Won by 3 lengths, neck, ½ length Time — 2 mins 15 3-5secs

The Governor's Cup Distance R C and Distance —
 Mr Byramjee Rustomjee's Jni Gunboat Jack (7st 12lbs), Whiteside 1
 Mr A A Ah bin Talib's Saifuldowla (8st 10lbs), Thompson 2
 H H the Dowager Maharani of Kolhapur's Ghafiah (7st 11lbs), Harding 3
 Mr A R Talib's Bushboos (8st 5lbs), Selby 4
 Won by short head, 1 length, ½ length
 Time — 3 mins 14 2 5secs

The St Leger Plate Distance R C. and Distance —
 Mrs John Yorke's Trelawne (7st 3lbs, cd 7st 6lbs), Dillon 1
 Mrs L Musry's Bucentaur (6st 10lbs, cd 6st 12lbs), J O Neale 2
 Mr J J Murphy's The Staff (7st 10lbs), Whiteside 3
 Mr Eve's Carnelian (7st 12 lbs), Brace 4
 Won by 1 length, head 5 lengths, Time — 2 mins 56secs

The Poona Plate Distance 6 furlongs —
 H H the Maharaja of Mysore's Lagnan (6st 13lbs), J O'Neil 1
 Mr C A Murad's Neddins (7st 10lbs), Evans 2
 Hon'ble Mr H M Mehta's Ternlet (8st 9lbs), Blythe 3
 Mr Roman's Turlogh (7st 11lbs), North more 4
 Won by ¾ length, ½ length, 1½ lengths
 Time — 1 min 14secs

Bombay —

Third Test Match—

Drew with Bombay Presidency Bombay Presidency 87 and 191 for 5 M C C 181 for 8 (declared)

Drew with Bombay City Bombay City 140 and 56 for 2 M C C 319 for 8 (declared)

England beat India in the First Test Match by 9 wickets India 219 and 258 England 438 and 40 for 1

Drew with An Indian XI M C C 224 and 215 An Indian XI 238 and 112 for 4 Charity Match

Calcutta —

Drew with the All India XI M C C 187 for 5 (declared) British in Bengal 121 for 8

Won against Indians and Anglo Indians by 4 wickets Indians and Anglo Indians 123 M C C 179 for 6 One day match

Drew with the All India XI M C C 331 and 279 for 5 (declared) All India XI 168 and 152 for 1

England drew with India in the Second Test Match England 403 and 7 for 2 India 247 and follow on 237

Colombo —

Drew with Ceylon Ceylon 106 M C C 100 for 3

Won against Ceylon XI by 10 wickets Ceylon XI 106 and 189 M C C 272 and 25 for 0

Won against Indo Ceylon XI by 8 runs M C C 155 and 78 Indo Ceylon XI 104 and 121

Delhi —

Won against Delhi and District by an innings and 133 runs Delhi and District 98 and 102 M C C 333

Won against the Viceroy's XI by an innings and 208 runs Viceroy's XI 160 and 63 M C C 431 for 8 (declared)

Indore —

Drew with the Galle XI Galle XI 79 for 7 (declared) M C C 59 for 2

Drew with Central India M C C 157 and 52 for 0 Central India 157

Jammagar —

Drew with Jammagar XI Jammagar XI 90 and 45 for 6 M C C 151 for 8 (declared)

Karachi —

Drew with C B Rubie's XI M C C 292 and 70 for 4 (declared) C B Rubie's XI 99 and 103 for 6

Drew with Karachi XI M C C 362 for 7 (declared) Karachi XI 89 and 112 for 4

Won against Sind by 91 runs M C C 307 for 5 (declared) and 140 for 8 (declared) Sind 189 and 167

Lahore —

Drew with Governor's XI M C C 402 for 7 (declared) Governor's XI 253 for 8

Won by against Northern India by an innings and 135 runs Northern India 53 and 58 M C C 246 for 7 (declared)

Madras—

Beat Madras Presidency by an innings and 352 runs

M C C 603, Madras Presidency 106 and 145

Won against Madras Federation by 187 runs M C C 268 for 6 (declared) Madras Federation 81 One day match

England beat India in the third Test Match by 202 runs England 335 and 261 for 7 (declared) India 145 and 249

Nagpur —

Won against Central Provinces by 6 wickets Central Provinces 195 and 188 M C C 261 and 129 for 4

Patna —

Drew with Rajinder Gymkhana M C C 330 Rajinder Gymkhana 335 for 6

Peshawar —

Won against North West Frontier Province by an innings and 135 runs N W F Province 94 and 121 M C C 350 for 7 (declared)

Poona —

Drew with Poona M C C 161 for 5 (declared) Poona 83 and 39 for 2

Rajkot —

Won against Western India States by 4 wickets Western India States 94 and 249 M C C 254 for 6 declared and 60 for 6

Secunderabad —

Drew with Moin ud-Dowlah's XI M C C 112 and 303 Moin ud-Dowlah's XI 194 and 188 for 9

Bombay

Times of India Shield—

St Xavier's College 446 and 128
B B & C I Railway, 721

c

Karachi

Sind Pentangular—

Hindus beat Parsis by 6 wickets
Parsis 129 and 129
Hindus 196 and 64 for 4

Shehzada's Cup Distance 1½ miles—
 Mr H H Mahmood's Burzan (9-st),
 Howell
 Mr A R Obud's Rolls Royce (9-st 4lbs),
 Obaid
 Mr H Kadum's Berlin (8-st 11lbs), Jee-on
 H H the Maharaja of Kolhapur's Narayan
 (8-st 4lbs) Aldridge
 Won by half length, neck, 2 lengths
 Time—2 mins 24 2 5 secs

Nizam's Cup Distance Race Course and
 Distance—
 Mr. C Temoolji's Sky Hawk (8-st 12lbs),
 Marable
 H H the Maharaja of Kolhapur's }
 Johnny Green (9-st 7lbs), Bowle } dead
 Mr Jeeve's Thyroid (7-st 12lbs), J } heat 2
 Mc Quade
 Nawab M M Ali Khan's Subtlety (8-st
 5 lbs), Jee-on
 Won by a neck, dead heat 1½ lengths
 Time—2 minutes 12 secs

Tollygunge

Governor's Cup (Div I) Distance (about)
 furlong—
 Mr Lbross's Babalot (10-st 6lbs), Imrie
 Mr S K Bhatter's Conda (10-st 6 lbs),
 Pierson
 Major D A Buchan's Nalim (10-st), Jaffrey
 Mr W T Vizer Hermer's Pabulator (11-st
 2 lbs), Gourlay
 Won by 1½ lengths, ½ length, ½ length
 Time—2mins 6 1 5 secs

Governor's Cup (Div II) Distance (about)
 9 furlong—
 Mr N W Kennedy's Sirsi (11-st 7lbs),
 H Johnson
 Mr L J Pithe's Seobar (10-st 9lbs),
 Gourlay
 Major A Hodgkin's Argenson (11-st 7lbs),
 Hardinge
 Mr G I Tredaway's Bul Barrow (10-st
 3lbs), Owner
 Won by 1½ lengths, 9 lengths, ¾ length
 Time—2mins 7 4 5 secs

Meerut.

Civil Service Plate Distance 1 mile —
 Capt T M Bernard's Popcorn (9-st 12lbs),
 Owner
 Messrs R P Sukla and T K Bose's Lothmar
 (8-st 5lbs), Purtoo Singh
 Mrs P L Orde's Rikki Tikki (9-st 4lbs),
 Lagoon
 Won by ½ length, ½ length, 5 lengths Time—
 1min 42 1 5 secs

Indian Cavalry Chase Distance about 2 miles
 (Over chase course) —
 Mr C P Sherston's War Plum (10-st 4lbs),
 Capt W Jones
 Mr W I Lamb's Moon Magic (11-st 10lbs),
 Owner
 Capt L M Benn and Mr R O Critchley's
 Paris Song (9-st 12lbs), Capt Benn
 Won by 5 lengths, 1½ lengths, 2 lengths
 Time—4mins 2 3 5 secs

Governor General's Cup Distance 1½ miles —
 Major D Vanrenen's Vignette (8-st 9lbs),
 Lagoon
 Capt J Martin's Snow Boat (8-st), Donnelly
 Messrs H O Hay and R N Shaw's Little
 Welsh (7-st 4lbs ear 7-st 5lbs), R Bell
 Won by ¾ length, ½ length, 1½ lengths
 Time—2mins 8 1 5 secs

Quetta

The Army Cup Distance about 2½ miles—
 Over 9 flights—
 Capt J Edwards' The Witch (11st 11lbs),
 owe 105 yds Owner
 Mr Mackinlay's Sir Tor (11st 7lbs), owe
 120 yds Capt Stroud
 Capt Sawyer's Lenlaw (11st), owe 70 yds
 Owner
 Won by 6 lengths 8 lengths, 3 lengths
 Time—3 min 57 1 5 secs

CRICKET

MCC TOUR IN INDIA

The following is a comprehensive list of
 relevant figures in connexion with the MCC
 Team which toured India

SUMMARY OF RESULTS

Ajmer —

Won by against Ruyput in 1 by an innings and
 107 runs MCC 213 Ruyput in 32
 and 74

Amritsar —

Drew with Southern Punjab Southern
 Punjab 264 and 103 for 1 - MCC 150 for
 8 (declared)

Bangalore —

Won against Mysore State MCC 151 for 7
 (declared) and 72 for 0 (declared) Mysore
 State 107 and 55

Benares —

Lost against Vizianagram XI by 14 runs
 Vizianagram XI 124 and 110 MCC 111
 and 130

Delhi

Delhi Town Tennis Championship—

Men's Doubles—Final—Ramaswami and Shamshersingh beat Brooke Edwards and Bobb, 8 6, 2 6, 6 3, 6 2

Women's Doubles—Final—Miss Sandison and Mrs Jordan beat Miss Parrott and Miss Harvey Johnstone, 6 3, 6 1

Mixed Doubles—Final—Miss Sandison and Bobb beat Miss Parrott and Ramaswami 6 4, 6 2

Men's Singles—Y Sing beat L Brooke Edwards

Women's Singles—Miss Sandison beat Mrs. Stock, 6 2, 6 1

Karachi

North Western India Championships—

Men's Singles—L V Bobb beat Daryanani, 6 4, 6 1

Women's Singles—Miss Dubash beat Mrs Helps, 6 2, 6 3

Mixed Doubles—Miss P G Dinshaw and Bobb beat Miss M T Dinshaw and T R Kwasji, 6 2, 6 4

North-Western Indian Championships—

Men's Singles—Blake beat Daryanani 6 2, 6 4

Women's Singles—Miss Dubash beat Miss Kavasji, 6 0, 6 2

Men's Doubles—Jagat Mohanlal and Shiv dasani beat Suntook and Petit 6 2, 6 1

Mixed Doubles—Mrs Pollard and Blake beat Mrs Helps and Daryanani, 6 4, 6 4

Lahore

Army and R A I Championships—

Men's Singles—Lieut T B Henderson Brooks (55th Mahratta Light Infantry) beat 2nd Lt R N Mulla (1 L I A), 6 1, 1 6, 6 2, 3 6, 6 1

Men's Doubles—Sub-Cond P H Wells and Sub-Cond A G Wall (1 A O C, Perozpur Arsenal) beat Henderson Brooks and 1st Lt U K Bosh (55th Mahratta L I) 6 2, 6-1, 1 6, 7 5

Madras

M U C Championships—

Men's Singl—Islam Ahmed beat C T Mullen 6 2, 6 1, 3 6 6 2

Men's Doubles—Final—Brooke Edward and Krishnaswamy beat Sohanlal and Richappa, 3 6, 6 2, 6-1, 6-1

Women's Singles—Final—Miss Lalla Row beat Miss Bonjour, 6 0 6 1

Women's Doubles—Final—Miss Bonjour and Miss Thoralsingham beat Miss Lalla Row and Mrs Sastri, 6-1, 6 2

Mussoorie

Hard Court Championships—

Men's Singles—Islam Ahmad beat Ahad Hussain, 7 5, 1-6, 2 6, 6-4, 6-2

Women's Singles—Miss Acton beat Mrs Wigley 6-2, 6-2

Women's Doubles—Mrs Densham Smith and Miss Acton beat Mrs Wigley and Mrs Cairns, 6-1, 6-2

Mixed Doubles—Mrs Densham Smith and Ahad Hussain beat Miss Acton and Price, 6 1, 2 6, 6 1

Men's Doubles—Ahad Hussain and Islam Ahmad beat Price and Rudra, 7 5, 6-1, 6 2

HOCKEY

Bombay

Lewis Cup—

Lusitanians

G I P Railway

1 goal

Nil

Aga Khan Cup—

Maharadar State

St Patrick's, Karachi

1 goal

Nil

Cummins Cup—

A Coy 38th Punjab Regiment

H M I S Dalhousie

3 goals

2 goals

Shrotri Shield—

Hq Wing Sherwood Foresters

C Coy Sherwood Foresters

1 goal

Nil

Afghan Team's Fixtures—

Lusitanians

Nil

Afghan Team

Nil

Bombay Customs

7 goals

Afghan Team

Nil

Bombay Combined

3 goals

Afghan Team

1 goal

Buchanan Cup—

Bombay Customs

2 goals

Lusitanians

Nil

Bhopal

All India Abaidullah Khan Gold Cup Tournaments—

Alexandra School

1 goal

Shimla Club

Nil

TENNIS

Allahabad

All-India Championships—

Men's Singles —Sohanlal beat F V Bobb 6-2, 3 6, 6 1, 6 8, 6 2

Women's Doubles —Miss Sandison and Miss Harvey Johnstone beat Miss Parrot and Miss Stebbing, 6 2, 6 3

Mixed Doubles —Brooke Edwards and Miss Jenny Sandison beat L V Bobb and Miss Parrot, 3 6, 6-1, 6 2

Marker's Event —Mahomed Ayas beat Ramsewak, 1-6, 6 3, 7-5

Women's Singles —Miss Sandison beat Miss Johnston, 6 2, 6-2, 6 3

Men's Doubles —Sawhney and Bhandari beat Brooke Edwards and Shumsher Singh, 6-2, 5 7, 6 2

Bandra

Women's Doubles (final) —Miss Bonjour and Miss Talwarhik beat Mrs Shortland and Miss Snow, 6-1, 6 2

Men's Singles —L V Bobb beat Charanjiva, 6 0, 6 3

Women's Singles —Miss Leela Row beat Miss Bonjour, 6 3, 6 0

Men's Doubles —Charanjiva and Ranbirsingh beat Bobb and A C Pereira, 0 6, 6 3, 6 3

Mixed Doubles —Winners —J Charanjiva and Miss Leela Row Runners up Savitri and Miss Talwarhik

Bombay

Bombay Presidency Hard Court Tournament—

Men's Singles —Final —L V Bobb beat J Charanjiva, 5-7, 7-5, 6 0

Men's Doubles —Final —J Charanjiva and Ranbir Singh beat T E Tew and A M D Pitt, 6 2, 6 1

Mixed Doubles —Final —Miss O Stebbing and A G Gupte beat Mrs Bell and J L Tew, 6 4, 0 6, 6 4

Women's Singles —Final —Miss Leela Row beat Miss M P Dubash, 6-1, 6-1

Women's Doubles —Final —Miss O Stebbing and Mrs M E Stephens beat Mrs K Row and Miss Leela Row, 4-6, 8 6, 8-6

Marker's Final —Sirjoo Pershad beat Kallimoni, 6 3, 6 4

Western India Championship—

Men's Doubles —Final —E V Bobb and L Brooke Edwards beat J Charanjiva and C Ramaswami, 6-2, 6 0

Mixed Doubles —Final —L Brooke Edwards and Miss O Stebbing beat C Ramaswami and J Charanjiva, 4 6, 6 3, 6 1

Women's Doubles —Final —Miss L Row and Miss J Bonjour beat Mrs V T Gough and Miss O Stebbing, 7-5, 6 2

Men's Singles —Final —L V Bobb beat J L Tew, 7-5, 7 5

Women's Singles —Final —Miss Leela Row beat Miss L Bonjour, 6 2, 6 1

Calcutta

Bengal Lawn Tennis Championships—

Men's Doubles —C Ramaswami and C L Mehta beat W H Michelmoro and L Brooke Edwards, 6-4, 6 1, 6 8, 3-6, 6 3

Women's Singles —Mrs Stork beat Miss Parrott, 6 0, 4-6, 6 2

Mixed Doubles —Miss Harvey Johnstone and Sohanlal beat Miss L Homan and C G Pountney, 9 11, 6 3, 6 2

Men's Singles —Sohanlal beat W H S Michelmoro, 5 7, 6 4, 6 3, 6 2

Women's Doubles —Mrs Stork and Mrs Duncan Smith beat Mrs Brown and Miss Parrott, 6 2, 6 1

Mixed Doubles —Final —Miss Leela Row and Krishnaswami beat Mrs Saxtri and Ruchappa, 6 3, 6 4

Calcutta Lawn Tennis Championships—

Men's Singles —Final —Madan Mohan, (Lahore), beat L V Bobb, (Bombay), 10 6, 6 3, 6 3

Women's Singles —Finals —Miss Jenny Sandison beat Miss Bonjour, (Ajmer), 6 4, 6 0

Mixed Doubles —Finals —W F Stephen and Miss Parrott beat B T Blake, (Karachi), and Mrs Brown, 4 6, 7 5, 6 4

Men's Doubles —Final —L Brooke Edwards and W H S Michelmoro (holders) (Calcutta) beat Sohan Lal, (Lahore) and N Krishnaswami, (Madras), 4-6, 6 4, 3 6, 6 3, 7 5

Women's Doubles —Finals —Miss Parrott and Miss Harvey Johnstone, (Calcutta), beat Mrs Stork and Mrs Duncan Smith, 6 2, 6 4

International Matches—

Madan Mohan, (India), beat H Jacoby, (West Australia), 6 0, 6 0

C L Mehta, (India), beat G B Davie, (West Australia), 6 2, 6 1

Ranbir Singh and S L R Sawhney, (India), beat R D Ford and H Jacoby, (West Australia), 8 6, 6 2

RUGBY.

Bombay.

International Match—

Scotland	(1 goal, 1 try)	8 points
England	(1 penalty goal)	3 points

All India Championship—

The Welsh Regiment	(1 goal, 1 dropped goal, 1 penalty goal, 1 try)	15 points
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Duke of Wellingtons,	(1 goal)	5 points
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Duke of Wellington's Regt	3 points (1 penalty goal)
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International Match—

Scotland	(3 tries)	9 points
England	(1 penalty goal)	3 points

Karachi

Karachi open Tournament—

Calcutta Challenge Cup—

Calcutta	9 points (2 penalty goals and 1 try)
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Royal Artillery, Quetta	<i>Nil</i>
Imperial Infantry	<i>Nil</i>
(Cup to be held jointly)	

Calcutta.

GOLF.

Calcutta

All India Women's Amateur Championship—

Mrs Angwin beat Mr Scott 4 and 3

Amateur Championship of India—

H Graham Smith beat H Bukhara 10 and 9 over 36 holes

Women's Championship of South India—

Mrs Edwards beat Mrs Latta, 1 up

Jodhpur Cup (Women)—

Miss Kirkwood beat Mrs Hurley, 3 and 1

Ootacamund.

Chalmer's Cup—

Major Graham beat Mack, 3 up and 2 to play

Fourball Foursomes—

Dr Subbaroyan and Wimbush, (16 vs Bogey), 13 up, beat Sullivan and Mayo Keene, 10 up

Mixed Foursomes—

Furness and Mrs Hurley, (handicap 12) 76

Electric Competition—

Capt Parsons 62
Kaye 64

Tombstone Competition—

Mrs Mitchel and Furness 87

Amateur Championship of Southern India—

Broughton beat Major Evans-Lombe, 3 and 1

Calcutta Challenge Cup—

Mack beat Kaye, 5 and 3

Nasik

Western India Championship—

Carroll, (Poona), beat Hickey, (Bombay), at the 32nd hole 5 and 4

Bombay Bangle—Mrs Reid, (Bombay) beat Mrs Jenkins, (Karachi), 1 up

Captain's Cup—David beat Pitt 2 and 1

Foursomes—Lundey and Haydon beat Sanderson and Iowndes 1 up

Pachmar

Lansdowne Gold Medal (Match Play)—

Capt T E W Winterton beat G W Warmington, 5 and 4, Capt A George beat Capt T E Chad, 2 and 1, Lieut J H Cumming beat the Hon'ble E Gordon, 1 up, Colonel M N Cox beat Lieut S D, G Robertson, 1 up

Long Driving Competition—

Winner—C I Bell 245 yards, 8 inches
Runner-up Captain T E Chad 243 yards, 2 feet, 2 inches Longest drive recorded Lieut Marks 268 yards, 1 inch

Ladies Lansdowne—Winner—Mrs Newton
Runner-up Mrs Bell

Calcutta

Lakshminilal Cup—	
Jhansi Heroes	6 goals
Kharagpur Indians	1 goal
Beighton Cup—	
Jhansi Heroes	1 goal
Calcutta Customs	<i>Nil</i>
Exhibition Match	
Indians	2 goals
The Rest	2 goals
Calcutta League—	
Calcutta Customs	

Madras.

Willington Cup—	
Anglo Indians 'A'	2 goals
M S M Railway	1 goal

Murree

Murree Brewery Tournament—	
Punjab Rifles 'A'	3 goals
Shropshires	1 goal

Poona

Poona Agr Khan Cup—	
A F I (Poona)	goal
Green Howards	<i>Nil</i>

FOOTBALL**Bombay**

Nadkarni Cup—	
Colaba United 'A' team	1 goal
Bengal Club	<i>Nil</i>
Rover's Cup—	
King's Regiment	1 goal
South Staffords	<i>Nil</i>
After two drawn games, 1-1, 2-2	
Leslie Running Cup—	
Royal Fusiliers beat Eagle's United by 10 points to 5	
Sergt —Ellis won the gold medal for the second year in succession Time —13 secs	
Exhibition Match—	
Harwood League (1st Division) team	<i>Nil</i>
Harwood League (2nd Division) team	<i>Nil</i>

Harwood League—
Royal Irish Fusiliers, Royal Artillery
(runners up)

Merkin Cup—	
Essex Regiment	5 goals
Royal Irish Fusiliers	3 goals

Calcutta

Dharbhanga Shield—	
Mohan Bagan	1 goal
Dalhousie	<i>Nil</i>
Calcutta League (First Division)—	
Durham Light Infantry	
East Bengal (Runners up)	

International Match—

Indians	goals
Europeans	1 goal

Charity Match—

D C L I	3 goals
Mohan Bagan	<i>Nil</i>

I F A Shield—

Duke of Cornwall's Light Infantry	2 goals
King's Royal Rifles	1 goal

Lahore.**North West Football Association Championships—**

'A' Coy (East Surreys)	2 goals
Headquarters Wing, (East Surreys)	1 goal

Lucknow.**I F C Shield—**

Kahghat	2 goals
Cameronians	1 goal

Murray Cup—

Cameronians	3 goals
Black Watch	<i>Nil</i>

Quetta**Western Command British Inter-Unit Tournament—**

1st Battalion Devonshire Regt	2 goals
Royal Air Force, Karachi	<i>Nil</i>

Boring

1024

Welterweights — Corporal Cromey (Beds and Herts, Army) beat L-Cpl Piclev, (R I F Bombay) on points

Middleweights — Drummer Diball (East Surrey, Army) beat Saul Havem, (Bombay) on points

Lightweights — Signaller Williams (Signals Army) beat J Cpl Mellree, (R I F Bombay) on points

Welterweights — Pte Sillis (Somerset's Army) beat G Greengrass (Bombay) in the third round, the medical officer stopping the fight owing to Greengrass sustaining a bad cut over the eye

Light Heavyweights — Fusilier Tate (R I F Bombay) beat Pte Docherty (K O S B Army) on points

Heavyweights — Corporal Shotbolt (Beds and Herts, Army) beat Joe Havem (Bombay) on points

Bombay Presidency Amateur Championships—Special Contest —

Lightweight — Cpl Nottingham, (K O S B Army) beat L Cpl Mowbray (Green Howards) on points

Flyweights — Pte Lee (K O S B Army) holder knocked out Cudet Clarkson in the third round

Bantamweights — M D Wadia (B B & I Railway) beat M Dilwash (Nagpur House) on points

Featherweights — Signaller Warburton (Signals, knocked out S Simons (I M C A) in the first round

Lightweights — J C Pithwall (Zoroastrian League) beat D C Lomas (G I P Railway) on points

Special Welterweight Contest — Pte Orridge (K O S B's) beat Pte Ellis (Green Howards) on points

Welterweights — Pte Beattie, (K O S B's) beat Fus Small (R I F) on points

Middleweights — D Chatterton (G I P Railway) beat L Cpl Robertson (K O S B's) on points

Light Heavyweights — L-Cpl Docherty (K O S B's) beat Fus K Semple (B, I F) in the third round, the referee stopping the fight

Heavyweights — L-Cpl Tait (R I F) beat Pte Brazier (K O S B's) on points

Calcutta

Civilians beat Military—

Catchweight — D Hill (Civil) beat Lt J A H Powell on points

Middleweight (first string) — L Carr (Civil) beat Pte Digesso (Military) on points (Second string) — R Naug (Civil) beat L-Cpl Dalgleish (Military) on points

Welterweight — (first string) — A A Vardon (Civil), beat Pte Wicks, (Military) on points (Second string) — 2nd Lt Bolton, (Military), beat L Cret, (Civil), on points (Third string) — F Nicholas, (Civil), beat Pte Soper, (Military), on points

Lightweight — (first string) — Pte Hanley, (Military), beat T C Robins, (Civil), on points (Second string) — Pte Impey, (Military), beat R Nagle, (Civil), on points (Third string) — L Cpl Jenkinson, (Military) beat R C Bowen, (Civil), on points

Leatherweight — (first string) — R Harding, (Civil) beat L-Cpl Patterson, (Military) on points (Second string) — M A Gregory, (Civil) beat Rfn Taword, (Military) on points

Bantamweight — (first string) — A Thadden, (Civil) beat Pte Curry (Military) on points (Second string) — R D Banerjee, (Civil), beat Pte Warner, (Military) on points

Army and Air Force Championships—Results—
Middleweight — 1 / 0 T N Coslett, (No 5 B Squadron, R A I), holder, beat Capt A O L Burke, (Gurkha Rifles, Army School of Physical Training) on points

Lightweight — L/Cpl J Gray, (1st Bn, Black Watch), beat Pte Fall, (2nd Bn, K O Y L I) on points

Lightweight — Sig J T Williams, (2nd Indian Division, Signals) beat Pte S Impey, (1st Bn, Norfolk Regt) on points

Welterweight — Cpl G Tink, (2nd Bn, Oxfordshire and Buckinghamshire Regt), beat Pte W Sillis, (1st Bn, Somerset L I) on points

Flyweight — Pte A Issacs, (B N R Bn) beat Pte B A Hutchinson, (Chota Nagpur Regt) on points

Featherweight — Pte J C Rutherford (Calcutta and Presidency Bn), beat Pte V G Freese, (B N R Bn) on points

Middleweight — Cpl L T Carr, (1st B L I R Regt), beat Pte S E Marcar, (Calcutta and Presidency Bn) on points

Lightweight — Lt J MacDougall, (1st Bn, C C L I) beat 2nd Lt R J O Lone (2nd Bn, D L I), the referee stopping the fight in the second round

Welterweight — 2nd Lt J S Bolton (1/9th Gurkha Rifles) vs 2nd Lt A L Gurney-Richmond (1st Bn, K S L I) who scratched on medical grounds

Bantamweight — L/Cpl R Lewis, (1st Bn, K S L I), holder, beat Pte E Warner, (1st Bn, Norfolk Regt) on points

Featherweight — Pte H Matthews, (1st Bn, Somerset L I) beat Pte J Skeeham, (2nd Bn, Prince of Wales Volunteers) on points

POLO.

Bombay

Western India Championship—

Barr	10 goals
Golconda	2 goals

Bombay Junior Tournament Ruppla Cup—

Japur Lancers	5½ goals
Deccan Horse	5 goals

Subsidiary Final—

Golconda	7 goals
Indore	5½ goals

Calcutta.

Championship of India—

Japur	6 goals
Gladiators	5 goals

Indian Polo Association Tournament—

Japur	5 goals,
Kashmir	4 goals

Ezra Cup—

Royal Dragoons	5 goals
17/21st Lancers	3 goals

Delhi

H R H The Prince of Wales' Tournament—

Kashmir	5 goals
Gladiators	3 goals

Lahore

Indian Cavalry Tournament—

P A V O Cavalry	7 goals
Probyn's Horse	5 goals

Madras

Sir George Stanley Challenge Cup

Mysore Cavalry	11 goals
Q V O Madras Sappers and Miners	3½ goals

Murree

Murree Brewery Tournament—

P A V O Cavalry "A"	7 goals
P A V O Cavalry "B"	6½ goals

Subsidiary Tourney—

Royal Artillery "Z"	5 goals
Gordon Highlanders	2 goals

Poona.

Junior Handicap Tourney (Richardson Cup)—

The Scores —	
Royal Deccan Horse "B"	10 goals
Royal Deccan Horse "A"	2 goals

Subsidiary Final—

Result —	
Biroda Team	goals
Mixed Grill	2 goals

Rawalpindi

Tradesman's Cup—

P A V O Cavalry "Y"	2 goals
Royal Signals	1 goal

Simla.

Viceroy's Staff Challenge Cup—

Optimists	4 goals
Aiguillettes	3 goals

WATER POLO

Bombay

Bombay European League (First Division) —

C O B "A"	12 pts
Bombay Gymkhana	8 pts
Zionists "A"	4 pts
C H S	Nil

(Second Division)—

C O B "B"	12 pts
Royal Artillery	6 pts
Sherwood For	6 pts
Zionists "B"	Nil

Vast Shield —

Cathedral Old Boys	6 goals
Bombay Gymkhana	2 goals

BOXING

Bombay.

The Army and Air Force won the team contest against the Bombay Presidency Amateur Boxing Federation by eight fights, (18 points) to two (12 points)

The following are the details —

Flyweights —Pte Lee, (K O S B's, Army) beat E Joseph, (Bombay) on points

Bantamweights —L Cpl Axford (East Surreys, Army) knocked out Fusilier Lemon, (R I F, Bombay) in the second round

Featherweights —J C Pithawalla, (Bombay) beat L-Sergt Mathews, (Signals, Army) on points

Lightweights —Lieut H Hose, (Beds and Herts, Army) beat D Lomas, (Bombay) on points

Pole Vault —1 Abdul Shafi, (India), 2 Gajinder Singh, (India), 3 W W Tambimattu, (Ceylon) Height—11 ft 5½ ins

880 Yards (Final) —1 G P Bhalla, (India), 2 D E Colonne (Ceylon), 3 Chingappi, (India) Time—2 mins 35 10 secs

Three Miles (Final) —1 Kishan Singh, (India) 2 Zeev Franki, (Palestine) 3 Gujjar Singh (India) Time—15 mins 22 6 10 secs

Hop, Step and Jump (Final) —1 Mehr Chand, (India), 2 Miranjan Singh, (India), 3 Khan Mahommed, (Afghanistan) Distance 45 feet 5½ secs

440 Yards Hurdles —1 M Asghar, (India), 2 Mohamed Latif, (India), 3 Khan Mohammed, (Afghanistan) Ghulam Ali, (Afghan

stan) and Shlomoh Marany (Palestine) did not run Time—60 secs

Discus Throw (Final) —1 E Whiter, (India), 2 Rabinah, (Palestine), 3 Gurdit Singh, (India) Whiter beat the India record by covering 116 ft ¾ ins

Hammer Throw —1 M Ishraq, (India), 2 Ahmed Khan, (Afghanistan), 3 Rabinah (Palestine) Distance 94 ft 5 ins

Long Jump Final —1 Niranjan Singh, (India), 2 K Durusingam, (Ceylon), McGowan, (India) Distance 21 ft 11½ ins

Javelin Throw (Final) —1 E Whiter, (India), 2 Mehr Chand (India), 3 R E Blaze (Ceylon) Distance 168 ft 4½ ins

Relay Race—Ceylon, 1, India, 2, Palestine, 3

Hockey—India 5 goals
Afghanistan Nil

Indian Olympic Games

The following are the results in the Indian Olympic Games —

High Jump (Finals) —1 R Francis, (Bengal), 2 Abu Yusuf, (Bengal), 3 Munir Ahmed, (Punjab) Height 5 feet 10½ inches

Hammer Throw (Finals) —1 A Drummond, (U P), 2 Kenny, (Punjab), 3 M Ishraq, (Punjab) Distance 127 ft 7 inches

High Jump (Women's Finals) —1 B Edwards, (Bengal) 2 M Taylor, (Punjab), 3 N Irshadullah (U P) Height 4 ft 5 ins

Hop Step and Jump (Finals) —1 Niranjan Singh, (Punjab), 2 Mehichand, (Punjab), 3 M Sutton, (Bengal) Distance 46 ft 4 ins, a new All India record

Five Miles (Finals) —1 Gujjar Singh, (Punjab), 2 Baburam, (Punjab), 3 Corporal A A Willott, (Army Sports) Time—33 mins 8 1-18 secs

Hundred Yards (Women's Finals) —1 Iris Jennings, (Bengal), 2 N Baxter, (Punjab), 3 G Levi, (Bengal) Time—11 mins 1-19 secs

Pole Vault (Finals) —1 Abdul Shafi, (Punjab) 11 ft 3 ins 2 Gajinder Singh, (Punjab), 10 ft 7½ ins 3 Lee Copl C Boyd, (Army Sports)

One Mile (Finals) —1 W Sheppherd, (Punjab) 2 Patne, (U P), 3 Harsharan Singh, (Punjab) Time—4 mins 32½ secs

100 Yards (Finals) —1 E Whiteside, 2 Vernieux, 3 M Sutton Time—9 1 19 secs, a new India record

Discus Throw —1 Gurdit Singh, (Patna), 2 White, 3 Priestly Distance 133 ft 1½ ins

140 Yards Hurdles —1 Asghar, 2 Latif, 3 Bill Time—58 1 8th secs

880 Yards —1 Bhalla 2 Chingappi, 3 Harsharan Singh Time—1 min 59 1-5th secs —A new India record

120 Yards Hurdles —1 M Sutton, 2 Whiter, 3 Latif Time—15 1-5 secs —A new India record

Shot Put - 1 Zahur Ahmed, 2 Abdul Shakoor, 3 Priestly Distance 33½ ft

Javelin Throw (Women's) —1 Tilley, 2 Penninger, 3 Pushadullah Distance 78 ft 7 ins

220 Yards —1 Vernieux, 2 Whiteside, 3 M Sutton Time—22 3-10 secs —A new India record

Three Miles Race 1 Kishan Singh, 2 Gujjar Singh, 3 S D Singh Time—15 mins 23 1-16 secs

Records—

100 Yards —Whiteside's 9 7/10 secs

Hop Step and Jump —Niranjan Singh's 46 ft 4 ins

120 Yards Hurdles —M Sutton's 15 2 10 secs

880 Yards —G P Bhalla's 59 2 10 secs

220 Yards —R Vernieux, 32 3 10 secs

Long Jump —Niranjan Singh's, 22 ft 10½ in

Pole Vault —Abdul Shafi's 11 ft 3 in

Swimming

The following are the results of the Swimming events held at Patna —

110 Yards Free Style—(All India) —1 Rama Ram Shawoo, (Bengal), 2 Shushil Bose, (Bengal), 3 Michael Brogan, (Punjab) Time—1 min 12 4 5 secs

(Western Asiatic) —1 Raja Ram Shawoo, (Bengal), 2 Shushil Bose, (Bengal), 3 Guth, (Palestine) Time—1 min 12 4-1 secs

220 Yards Breast Stroke —G F Trounce (Punjab), 2 Darshan Singh, (Punjab), 3 P K Banquejee, (Bengal) Time—1 min 39 2/5 secs Palestine did not take part in this event

One Mile—(All India) —1 N C Malik, (Bengal), 2 Michael Brogan (Punjab), Time—28 mins 14 4 5 secs

(Western Asiatic) —1 Malik, 2 Guth, (Palestine), 3 Brogan Time—28 mins 14 4-5 secs

Middleweight —C S M I Wheeler, (Army School of Physical Training), holder, beat Pte H Brookes, (2nd Bn, Prince of Wales' Volunteers) on points

Light Heavyweight —Pte J Morris, (1st Bn, Somerset L I), holder, beat Pte W Coleman (1st Bn, K S L I) on points

Heavyweight —Cpl E Shotbolt, (1st Bn Beds and Herts), holder, beat Dmr A Parker, (1st Bn, Hampshire Regt) on points

Military beat Civilians—

Bantamweight (First String) —L Cpl Kricha (Military) beat P Stapleton on points
Second String —Pte E Warner (Military) beat R D Binnerjee on points
Third String —H R Graham (Civil) beat Pte J Curry, who was disqualified in the second round

Featherweight —L-Cpl E Shrimpton, (Military) beat A R Mackerton on points
Second String —Cpl C Jenkinson (Military) beat W B Walker on points

Lightweight (First String) —A J Johanne (Civil) beat Rfm C Borritt on points
Second String —Rfm S Shaw (Military) knocked out E C Reid in the second round

Welterweight (First String) —Pte A Digesso (Military) beat V A A Vardon, the fight being stopped in the third round
Second String —Cpl J Scollick (Military) beat L Creet on points
Third String —L Col J Hunt (Military) beat T Nicholas on points

Middleweight (First String) —Pte T Ellis (Military) beat S E Marcar on points.
Second String —Pte T Bloxham (Military) beat M Stiffe on points

Heavyweight —Pte W Mudford (Military) beat A A Arratoon on points

Flyweight (Bengal Championship, Final) —F D'Santos (All Saints' High School, Calcutta) beat A Issacs (B N R Khargpur) on points

Madras.

Gunboat Jack beat Guillermo (Manila) on points over (10 rounds)

Rangoon.

Gunboat Jack (10st) beat Max Brilka (10st 6lbs), (German Welterweight) on points over (10 rounds)

Rawalpindi.

Army and Royal Air Force Championship —1st Shropshire Light Infantry beat B Group, Royal Signals

Bantamweight —L Cpl Lewis (Shropshires) beat Signm Taylor (Signals), the referee stopping the fight in the second round

Featherweight —Signm Warburton (Signals) k o L-Cpl Murphv (Shropshires) in the first round with a hook to the point

Lightweight (First String) —Signm Williams (Signals) beat Pte Thomas (Shropshires) on points

Lightweight (Second String) —Pte Dent (Shropshires) beat L-Sgt Mathews (Signals) on points

Lightweight (Third String) —Cpl Hutcheson (Signals) beat Pte Buchanan (Shropshires) on points

Welterweight (Second String) —L-Cpl Simmons (Shropshires) beat Signm Withers (Signals) on points

Middleweight (First String) —Pte Evans (Shropshires) beat Signm Roberts on points

Middleweight (First String) —Pte Coleman (Shropshires) beat Sgt Macfarlane (Signals) on points

Middleweight (Second String) —Lt Leeds beat Cpl Rawson (Signals) on points

Heavyweight —Lt the Hon Clegg Hill (Shropshires) beat Signm Rymer (Signals) on points

Welterweight (First String) —Cpl Lovel (Signalman) k o Pte Lane (Shropshires) in the second round

ATHLETICS

Western Asiatic Games

Delhi

The following are the results of the Western Asiatic Games —

One Mile (Finals) —1 N Mathews, (Ceylon), 2 Harcharan Singh, (India), 3 Zeev Franki, (Palestine) Time—4 mins 41½ secs

High Jump (Finals) —1 D Francis, (India), 2 Harcharan Singh, (India) 3 Zeev Franki, (Palestine) Height—5 ft 10 ins

Shot Put (Finals) —1 Cyril C Dissanayake, (Ceylon), 2 Zahur Ahmed, (India), 3 Rabinal, (Palestine) Distance 41 ft, 8½ ins

440 Yards (Finals) —1 G Y Bhalla, (India), 2 Chengappa, (India), 3 Sayid Kium (Afghanistan) Time—51 3/10 secs

220 Yards (Finals) —1 E S Whiteside, (India), 2 Matatihu Levy, (Palestine), 3 Shlemoh Maron, (Palestine) Time—22½ secs

Six Miles (Finals) —1 Gujjar Singh, (India), 2 Baburam, (India), 3 Zeev Franki, (Palestine) Time—32 mins 33½ secs

100 Yards —1 R A Vermeux, (India), 2 Whiteside, (India), 3 Khan Mohamed, (Afghanistan) Time—9 7-10 secs (British Empire Record)

50 Yards Swim — P M Barucha (S X) 1, V D Kotnis (S X), 2, R P Vaidar (S X), 3 Time—36 secs

(S X) St Xavier's, (W) Wilson (I) Iphigstone, (I) Ismail (S) Sydenham (G M) Grant Medical, (G S M) Gordhandas S Medical, (L) Law College, (S J) Scondary Training College

Five Mile Challenge Cup —

1 N G Nur 12 mins 53 1 5 secs 2 M P Iyer 46 mins 3 1 5 secs 3 S Dawood 46 mins 13 2 5 secs 4 Mandone 5 M N Bannicjee

Poona

Bombay Presidency Police Inter District Championships—

The following are the results —

Lord Lloyd's Cup for Athletics Won by Belgaum

The Pogson Memorial Cup for Senior Hockey Won by West Khandesh Runners-up Belgaum

The Gunder Cup for Junior Hockey, Won by Bijapur Runners up G I P Railway

The Kennedy Cup of Jug or War Won by Dharwar

Sir Maurice Hayward's Cup for Tug of War Runners up Sholapur

Sir Francis Griffiths Cup for Cross Country Race Won by Belgaum

Rao Bahadur Kokyes Cup for Wrestling Won by Sahadu Dhondl of Ahmednagar 2nd Babu Govind of G I P Railway

Lord Sydenham's Cup for Physical Training Won by Satara Runners up Ratnagiri

Sir Leslie Wilson Cup for the best all round man Won by Mahomed Hunk of Belgaum

The Down Challenge Shield Won by Belgaum

100 Yards — (Individual Prizes) 1 Mahomed Haniff (Belgaum) 2 Anna Rama (Satara) 3 Mahadon Pali (Poona)

110 Yards Race — 1 Mahomed Haniff (Belgaum) 2 James John (Dharwar) 3 Masht Dasraya (West Khandesh)

580 Yards Race — 1 Kashu Dasraya (West Khandesh) 2 Sitaram Shinde (Poona), 3 Diwood Ajam (Belgaum)

Obstacle Race 1 Janaya Bhiwa (East Khandesh) 2 Tacton Satharam (Sholapur) 3 Sitaram Shinde (Poona)

Relay Race 1 Dharwar, 2 Poona

The MacDonald Challenge Cup for Sub Inspectors Revolver Shooting and the Rao Sahib B M Bane's Challenge Cup for 100 Yards Race Won by K S Shaikh Amir Rahim of Ahmedabad

Beatty Memorial Cup for Revolver Shooting Won by Mr P M Stewart

Souter Challenge Cup for revolver snap shooting Won by Mr G Y S Larrant

I P Officers Rifles Shooting Cup Won by Mr L A Piddon Row

Mr J. L. Turner's Cup for Musket Snapshoot ing Won by Mr W R G Smith

The Kennedy Challenge Cup for best aggregate score in Officers events Won by Mr G Y S Larrant

Officers 100 Yards Won by Mr P M Stewart Runner up Mr W L K Herapath

PIGSTICKING

Bachnaons —

Kaār Cup—

Mr Grey of Skinners Horse on "Granite"

Runners up Mr Armstrong (Skinners Horse) on Mr Grey's "Hermione" and Capt Harvey on Spider

Hog Hunters Rules —

Heavy weight —

Mr Horman's "Khazipur"

Lightweight —

Mr Atherton's "Refugee"

RIFLE SHOOTING

Meerut

Army Rifle Championships (India)—

The prize winners were as follows —

King's Medal and Rs 100 — Sgt W H Bayes, (13 18th Hussars)

Small Bronze Medal and Rs 60 — Naik Lal Singh, (Jodhpur Sardar Infantry)

Small Bronze Medal and Rs 40 — Sepoy Hari Singh, (1st Ryjunder Sikhs)

Small Bronze Medal — Naik Walayat Khan (1-15 Punjabis), L-Naik Harkarbir Gurung (1 5 R Gks), L-Cpl Light, (2nd R Sussex), Lieut Mason, (10th Royal Hussars), R S M Parkin, (1st D C L I), Sub Sher Dil Khan, (2 15 Punjabis), C S M Challinor, (1st Cheshires) Pte Grampion, (1st Norfolks), Capt Wilkinson, (K O Y L I), Hav Nandabardui Thapa, (1-5 Gurkha Rifles), Sgt Brayson, (K O Y L I), L Naik, Bata Singh, (2 15 Punjabis), Sepoy Mangal Singh, (4th Pibala Infantry), L-Naik Pershad Gurung, (15 R Gurkha Rifles), Sgt,

110 Yards Back Stroke —1 Bakshi Ranbir, (Punjab), 2 Holman, (Punjab), 3 P K Banerjee, (Bengal) Time—1 min 39 4-5 secs Palestine did not participate in this event

Wrestling

The Bantams —1 Chamanlal, (Punjab), 118 lbs 2 S Bose, (Bengal), 119 lbs
Feathers —1 A C Ghosh, (Bengal), 126 lbs 2 Muradlal, (Punjab), 118 lbs
Lightweight —1 Ajay Singh, (Punjab), 139 lbs 2 D D Sharma, (U P), 145 lbs
Welters —1 Rashid Anwar, (U P) 2 Mohamed Ashraf, 152 lbs
Middles —1 Dugadhis, (Punjab) 2 M C Goho, 158 lbs
Light Heavy —1 Mohammed Ashraf (Punjab), 152 lbs 2 J K Shee, (Bengal)

Basket Ball—

Punjab	18 points
United Provinces	17 points

Indian Railways Athletic Meeting —

N W Railway Champions
100 yards —Whiteside (N W) 1, Rodrigues (S I) 2 Time 10 secs
Hop, Step and Jump —Whitter (N W) 1, Davis (E B) 2 Distance 40 feet 5 1/2 inches.
Mile —Durgah (N S) 1, Sadhuram (N W) 2 Time 4 minutes 44-45 seconds
220 yards —Whiteside (N W) 1, Rodrigues (S I) 2 Time 23 1-5 seconds
Pole Vault —Hamid I, Chatterji (E B) 2 Height 10 feet 8 inches
440 yards —Sebastian (N S) 1, Braganza (M S M) 2 Time 54 1-10 seconds
Throwing the Javelin —White (N W) 1, Pelgar (E B) 2 Distance 161 feet 2 1/2 inches
120 yards hurdles —Whiter (N W) 1, Davis (E B) 2 Time 16 2 5 seconds
Mile Relay —N W R 1, M S M 2 Time 3 minutes 52 seconds
High Jump —Francis (E B) 1, Smith (S I) 2, Paul (N S) 3 Height 5 feet 9 3/4 inches
Throwing the Hammer —Marshall (N W) 1 Distance 94 feet 1 1/2 inches Vaughan (B B and C I) 2 Distance 80 feet 9 1/4 inches
880 Yards —Connolly 1, Benham 2 Time 2 minutes 8 seconds
Long Jump —Whiter (N W) 1, Rozario (E B) 2 Distance 20 feet 4 1/2 inches
Throwing the Discus —Whiter (N W) 1, McDonnel (B B and C I) 2 Distance 101 feet 4 1/2 inches
Shot Put —Phillips (N W) 1, Perret (E B) 2 Distance 38 feet
Mile Relay (Medley) —N W R, 1, E B R 2, B, B and C I, R 3,

Bombay

All India 15 Miles Cycle Race—B A A C Challenge Cup—

1 B Malcolm, (Malcolm Cycling Club), Time—36 mins 15 secs, 2 J K Irani (Malcolm C C), 3 J B Guard, (Malcolm C C), 4 F MacLeod, (2nd K O S B, Lucknow)

Bombay University Meeting—

100 Yards —J Castellino (S X) 1, C M Thumava (S X) 2, H Ribeiro (S X) 3
120 Yards Hurdles —C M Thumava (S X) 1, J Castellino (S X) 2, H Ribeiro (S X) 3. Time—16 1-5 secs
75 Yards Ladies —Miss N Dias (S X) 1, Miss I D'Avoine (W) 2, Miss J D'Silva (S X) 3 Time—10 2-5 secs
220 Yards —C M Thumava (S X) 1, and Castellino (S X) dead heat, H Ribeiro (S X) 2 Time—23 3-10 secs
Long Jump —J Castellino (S X) 1, H Ribeiro (S X) 2, B D Padwal (E) 3 Distance 18 feet 7 ins
440 Yards —C M Thumava (S X) 1, H Ribeiro (S X) 2, T D Costa (S X) 3 Time—60 secs
Ladies' Relay Race —Wilson College 1, St Xaviers 2
One Mile —V R Basru (G M) 1, M P Agarkar (S X), 2, A Athaide (S X) 3
Men's Relay —St Xavier's, 1, Elphinstone, 2
Tug of War —Winners—Grant Medical
Putting the Shot —J E Dodds (S X) 1, J M Khairani (S X), 2, C M Thumava (S X), 3 Distance 31 feet 7 ins
Pole Vault —M D Kane (G S M), 1 H Ribeiro (S X), 2, Krishnamurthi (G M), 3 Height 8 feet 10 ins
880 Yards Finals —C M Thumava (S X) 1, A Athaide (S X), 2, V R Basru (G M), 3 Time—2 mins 12 4-5 secs
3 Miles Race —V R Basru (G M), 1, M P Agarkar (S X), 2, B D Padwal (E) 3 Time—16 secs
10 Miles Walking Race —S H Kothar (S X), 1, M P Agarkar (S X), 2 R Deshpande (W), 3 Time—1 hour 36 2 3 mins
30 Miles Cycle Race —M P Choksi (S X), 1 S A Shellum (S X), 2, M H Chowna (S X), 3 Time—1 hour 22 mins
Wrestling —S V Joglekar (G S M), 1 H A Wadri (W), 2, D N Savant (L), 3, and S V Javeri (I)
Cross Country (1 Mile) —M P Agarkar (S X), 1, V R Basru (G M), 2, G Singh (S X), 3 Time—23 mins 16 4-5 secs
Half Mile Swimming —V R Basru (G M), 1, P M Barucha (S X), 2, N F Saher (G M), 3 Time—15 mins 24 1-5 secs

SWIMMING

Bombay

Palestine beat Bombay —

- 100 Yards (Breast stroke) —L Godard (Palestine 1 minute, 18 4 5 seconds) beat M Robottom (1 minute 19 4 5 seconds)
- 400 Yards (Free style) —E Guth (Palestine— 5 minutes, 23 4 5 seconds) beat M Hill (6 minutes, 10 seconds)
- 100 Yards (Back stroke) —F Godard (Palestine—1 minute 22 4 5 seconds) beat Roder (1 minute, 29 seconds)

- 100 Yards (Free style) —E Guth (Palestine— 64 9 10 seconds) beat Macdonald (65 1-5 seconds)
- Plunging —E Spilling (E W P A —59 1/2 feet) beat Robino (Palestine—57 feet)
- 200 Yards (Free style) —E Guth (Palestine— 2 minutes, 31 4-5 seconds) beat N Gordon (2 minutes, 48 seconds)
- Relay —E W P A (M Robottom, D McClumpha, D Hay) beat Palestine (D Robino, L Godard, F Guth) Time 2 minutes, 21 seconds

YACHTING.

Bombay

Seventh Day Cup—

- | | |
|-----------|-------------|
| H Class | " Viking II |
| Sea Birds | " Guillemot |
| Tomtits | " Buntv |

Inter Club Invitation Races—

- | | |
|----------------------------------|--------|
| Bombay Sailing Association | 76 pts |
| Royal Cornsraught Yacht Club | 57 pts |
| Royal Bombay Yacht Club | 49 pts |
| Secunderabad Sailing Association | 47 pts |

Poona

Captain's Cup—

- P A Street, South Staffords 1
- The following are the placings and points for

the whole event, each competitor having raced three times —

- | | | |
|----|------------------|------------|
| 1 | Street | 9, 9, 9=27 |
| 2 | Hazlerigg | 9, 8, 8=25 |
| 3 | Forestier-Walker | 7, 9, 6=22 |
| | Thomas | 8, 7, 7=22 |
| 5 | Mac Rae | 7, 8, 5=20 |
| 6 | Mrs Thomas | 6, 4, 8=18 |
| | Boxall | 5, 4, 9=18 |
| 8 | Henderson | 3, 6, 6=15 |
| | Pruy | 4, 5, 6=15 |
| 10 | McVern | 1, 7, 5=13 |
| 11 | Curroll | 5, 6, 1=12 |
| 12 | Lucas | 8, 1, 1=10 |
| 13 | Ashley | 5, 4, 0= 9 |
| | Balwin | 1, 1, 7= 9 |

Bowles (D C L I), R Q M S Hammond (K R R C), Sowar Pate Singh (Jodhpur Salar Pata), Major Turnham (10th R Hussars), C H M Birna Singh Thapa, (2-2 Gurkha Rifles), Hav Pany and Thapa (1-6 Gurkha Rifles), Hav Harman Ali (10-15 Punjab), Sgt Col (Simla Rifle), Sgt P O (1st Norfolk), Sgt Bean (1st Essex, Surrey), D-Major Salul Singh (Jodhpur Salar Pata), Lieut Jagdip Singh (2nd Patiala Infantry), C S M Richards (1st Cheshires), P S M Lucke (N-W Punjab Regt), 1 Dst Patiala Singh (1st Punjab Infantry), 1 Dst Patiala (1st Cheshires), Pte Bennett (2nd R Sussex), Sgt Kemp (1st Norfolk), C S M Farmer (1st K S I I), Pte Osman Ghani Khan (1st Hyderabad Infantry), Sgt Cathers (1st Essex, Surrey), Nalk Palsinchi (Jodhpur Salar Infantry), Lieut Newall (K O Y I I), Sowar Lal Singh (Jodhpur Salar Pata), L Nalk Jital Chell (1-5 P Gurkha Rifles), L Dst Saffatulla Khan (1st Gwalior Infantry), L Cpl Newton (Cambridges), Hav Niram Din (10-15 Punjab Regt), Dst Mohd Umar Khan (Bhopal Infantry), Capt C D S O M C (K O Y I I), Sgt Br Ford (10th Royal Hussars), L Nalk Pat Lal (Jodhpur Salar Pata), D-Major Mohd Yusuf Khan, (2nd Hyderabad Infantry).

Class Champion Cup —

Class 1 — Patalia Officers. Number of firers 38. 1 Lt I O Mason (10th P O Hussars), 380. 2 Capt P C Willinon, (K O Y I I), 375. 3 Major A S Turnham, (10th Royal Hussars), 359.

Class 2 — Patalia Army Warrant Officers and Sergeants. Number of firers 65. 1 R S M W Parkyn, (1st D O L I), 380. 2 C S M H P Challinor (1st Cheshires), 379. 3 Sgt G Brayson, (K O Y I I), 370.

Class 3 — British Army Corporals and other ranks below the rank of Corporal. Number of firers 30. 1 L Cpl J Light, (2nd Royal Sussex), 382. 2 Pte C Crampson (1st Norfolk Regt), 378. 3 Pte T Bennett, (2nd R Sussex Regt), 345.

Class 4 — Auxiliary Force India. Number of firers 20. 1 Sgt C S Cole (Simla Rifles), 352. 2 C Q M S Mahon, (2nd B B & C I), 385. 3 C Q M S C B Goff, (N W Railway), 333.

Class 5 — Indian Army. Number of firers 17. 1 Sub Sher Dil Khan, (2-15 Punjab Regt), 380. 2 Hav Nandabhadur Thapa, (1-5 R Gurkha Rifles), 375. 3 C H M Birna Singh Thapa, (2-2 Gurkha Rifles), 359.

Class 6 — Indian Army. Number of firers 17. 1 Nalk Wallayat Khan (1-15 Punjab), 380. 2 L Nalk Harkabir Gurung (1-5 R Gurkha Rifles), 380. 3 L Nalk Panta Singh (2-15 Punjab Rifles), 366.

Class 7 — Indian State Force. Number of firers 22. 1 Dst Major Salul Singh (Jodhpur Salar Pata), 349. 2 Dst Ja Bip Singh (2nd Patiala Infantry), 348. 1 Pte Osman Ghani Khan (1st Hyderabad Infantry), 345.

Class 8 — Indian State Force. Number of firers 28. 1 Sowar Manul Singh (10th Patiala Infantry), 362. 2 Sowar Pany Singh (Jodhpur Salar Pata), 360. 3 Nalk Lal Singh, (Jodhpur Salar Infantry), 358.

Class 9 — Indian Territorial Force. Number of firers 1. 1 Hav Nizam Mohi (11-1 Punjab), 281. 2 Hav Arif Khan, (11-1 Punjab), 274. 3 Lieut Musaffar Khan, (11-1 Punjab), 244.

Inter-Club Cup — (1) Challinor Cup Small Silver Medal and Rs 10 — Nalk Wallayat Khan, 1-15 Punjab. (2) Large Bronze Medal and Rs 50 — L Cpl Light 2nd R Sussex Regt. (3) Small Bronze Medal and Rs 10 — Nalk Baid Singh, Jodhpur Salar Infantry, Rs 10. Sgt Brayson 2nd K O Y I I, and P 20. Capt Willinon 2nd K O Y I I.

The Army Championships, (India) which are decided on the aggregate totals of the three matches, have resulted as follows —

British Army Championship — 1st A R A Gold Jewel, L Cpl J Light 2nd R Sussex Regt 382. 2nd A R A Silver Jewel Lieut I O Mason, 10th Royal Hussars 380. 3rd A R A Bronze Jewel R S M Parkyn, 1st D C L I 380.

India Army Championship — 1st Magdala Gold Medal, Nalk Wallayat Khan 1-15th Punjab Regt 381, 2nd Magdala Silver Medal L Nalk Harkabir Gurung, 1-5th Royal Gurkha Rifles 381, 3rd Magdala Bronze Medal, Sub Sherdil Khan, 2-15 Punjab Regt 380.

A R A (India), Cup value Rs 100 and Rs 50 in cash. L Nalk Harkabir Gurung, 1-5th Gurkha Rifles.

A Large Bronze Medal and Rs 50 — C S M Challinor, 1st Cheshires.

A Small Bronze Medal and Rs 40 — Lt Mason, 10th Royal Hussars.

Rs 30 Hav Bhagwan Singh, Jodhpur Narsingh Infantry.

Rs 20 C Q M S Mahon, 2nd B B & C I, Railway Regiment.

Arcot Non-Mahomedan Constituency in 1923 and 1926 Till 1928 a prominent Member of the Swaraj Party and the Congress Since 1929 a prominent member of the All-India Varnashram Swarajya Sangha of Orthodox Hindus *Address* 46, Linghi Chetti Street, Madras, E

ACLAND, RICHARD DYKE, The Right Rev M A, Bishop of Bombay, (1929) *b* 1881 *Educ* Bedford and Oxford Deacon 1905, Priest 1906, Curate St Mary's, Slough 1905-10, S P G, Missions, Ahmednagar, Kolhapur, Dapoli, Bombay, 1911-1929 *Address* Bishop's Lodge, Malabar Hill, Bombay 6

ADDISON, MAJOR-GENERAL GEORGE HENRY, M A (Camb), M I Mech E, D S O (1915), C M G (1917), C B (1933), Engineer in-Chief, Army Headquarters, India, since May 1932 *b* 13 May 1876 *m* Margaret Henderson, 1905 *Educ* Wellington College, R M Academy, Woolwich, King's College, Cambridge (Fellow Commoner) First Commission in R E 1895, served throughout S African War, 1899-1902, Great War, 1914-1918, Promoted to Major General in 1931 *Address* Army Headquarters, Delhi and Simla

ADVANI, MOTIRAM SHOWKIRAM, Kaiser-i-Hind Gold Medal (1919), President, Hyderabad Educational Society *b* 12 October 1868 *m* Margaret Annesley, *d* of the late Rev Charles Voysey *Educ* The Albert School and Presidency College, Calcutta Barrister (Inner Temple) 1892, Practised in Karachi, 1892-1904, Assistant Judge, Hyderabad, 1904, Acted as District Judge, Hyderabad, 1905, Permanent District Judge, 1911 Served in Thana, Surat District Judge, Broach 1917-1922 and District Judge, Nasik, until June 1924 *Address* No 6, Bungalow, Cantonment, Hyderabad, Sind

AGA KHAN, AGA SULTAN MAHOMED SHAH, P C (1934), G C I E (1902), G C S I (1911), G C V O (1923), K C I E (1898), LL D, Hon Camb *b* 1875, Brilliant Star of Zanzibar, 1900, 1st Class, has many religious followers in East Africa, Central Asia and India, head of Ismail Mahomedans, granted rank and status of first class chief with salute of 11 guns in recognition of loyal services during European War *Publication* India in Transition. *Address* Aga Hall, Bombay

AGARWALA, LALA GIRDHARILAL, B A, Advocate, High Court, Allahabad, Member, First Legislative Assembly *b* 16th Feb 1878, *m* sister of Lal Bahadur Lal Gupta, B A, LL B, Vakil, High Court (Muttra) *Educ* Agr College, B S M, London Moved resolution in Legislative Assembly re Indian Governors, Chief Justices, etc., 27th Sept 1921 at Simla and Bill to remove inequalities between Vakils and Barristers Was Director, Moradabad Spinning and Weaving Mills for 10 years, and of Babaria Cotton Gin and Press Co, Ltd, for 6 years, original

member, U P Chamber of Commerce, Secy, U P Hindu Sabha Elected Member of the first Bar Council, Agra Province, President, Agarwal Seva Samiti (Social Service and Scouting) *Publications* an article re use of aircraft during war in "Legitimite de la Guerre Aerienne," Proposed legislation for protection of Cows and improvement of Cattle in India, Hindu Home and Temple in London, Parallel Agra Tenancy Act, 1926, and the Law of Pre-emption, Member, Hindu Law Research Society, Member of Court, Benares Hindu University *Address* 33, George Town, Allahabad

AGA SHAH ROOKH SHAH, Nawab Shah Rookh Yar Jung Bahadur (1923) *b* 1874, eldest s of Aga Akbar Shah, *gs* of H H the First Aga Khan, *m e d* of the late Aga Shahbuddin Shah (1897) *Educ* English and Persian Hon ADC to H E H the Nizam of Hyderabad, 1918, Hon Private Secretary to H H the Aga Khan, 1900, M L C, ex-President, Poona Suburban Municipality, 1925 to 1931, Founder and President, Servants of Islam Society, Poona, 1926, ex-Director, Queen Mary's Technical School for Disabled Indian Soldiers, Kirkee, 1923, Life Fellow, Royal Society of Arts (London) since 1927, President, Poona District Muslim Educational Society, Poona, since 1928, etc *Address* 13, Connaught Road, Poona

AHMAD, DR ZIA-UDDIN, C I E, M A (Cantab), Ph D, D Sc, M L A, Pro Vice-Chancellor, Muslim University, Aligarh, 1920-28 *b* 1878 *Educ* Aligarh Trin Coll, Cambridge (Sir Isaac Newton Scholar), Paris, Bologna, Hazbe (Cairo), Göttingen (Ph D) and Allahabad (D Sc), Member of Calcutta University Comm, *Address* Member, Legislative Assembly, New Delhi

AHMED, KABEERUD-DIN, M L A Bar-at-Law and Advocate, Calcutta High Court, Landholder *b* 1886 *Educ* Malda Govt High English School and Magdalene College, Cambridge Called to the Bar in 1910, Member, University Court, Dacca Founder of Bengal Jotedars and Raiyats' Association and its Hon Secretary, takes great interest in agriculture, was elected Presdt, Bengal Agricultural Conference in 1917, Organiser, Founder and President, Indian Seamen's Union, Calcutta, 1922-27, elected its Patron, 1929 Elected member, Bengal Legislative Council in 1920, elected member, Legislative Assembly, 1921-23, 1924-26, 1927-30 re-elected again in 1930 from the Rajshahi Division, Founder of Parliamentary Muslim Party in Indian Legislative Assembly 1924, and its Chief Whip Member, Central National Mahomedan Assoc, Calcutta, Member, Democratic Party in Indian Legislature, 1921-23, Member of the Royal Commission on Labour, 1929-31 *Publications* Handbook of Equity, Roman Law, etc *Address* 10, Hastings Street, Calcutta Bishwanathpur, Kansant P O Malda (Bengal)

Who's Who in India.

ABDUL HAMID, SH., KHAN BAHADUR DIWAN, Bar-at-Law, Kt, C I E, O B E, Chief Minister, Kapurthala State b 15 October 1881 m a daughter of Khan Sahib Sheikh Amir-ud-Din, retired Extra Asstt Commissioner in the Punjab Educ Government College, Lahore Judge, 1909, Supdt of the Census Operations 1911, Head of the Executive and Revenue Depts as Mashir Mal Fellow of the Punjab University, Intels Member Punjab Legislative Council, Chief Secretary March 1915, Chief Minister, 1920 Khan Bahadur (1915) O B L (1918) C I E (1923)- Knighted, 3rd June 1933 Appointed by the Government of India Chairman of the Banking Inquiry Committee for the Centrally Administered Areas 1929-30 Delegate at the Assembly of League of Nations in 1931 Address Kapurthala

ABDUL KARIM, MAULAVI, B A, M L C, Government pensioner, Member, Council of State Member, Bengal Legislative Council since 1926, b 20 Aug 1863 m Aye-ha Khatun of Calcutta Educ Sylhet and Calcutta Started as a teacher in the Calcutta Madrasah, Assistant Inspector of Schools for Mahomedan Education for about 15 years, Inspector of Schools, Chittagong Division, for about five years Publications History of India for Beginners in English, Bengali, Hindi and Urdu, Students' History of India The Mahomedan Empire in India in Bengali, Hints on Class Management and Method of Teaching in English, and Mahomedan Education in Bengali (English) Address 13-1, Wellesley Square, Calcutta

ABDUL QAIYUM Nawab Sir Sahibzada, K C I E (1917), b 1866 formerly in Foreign and Political Department, Government of India and Pol Agent Khyber Black Mountain Expedition 1888 (despatches), Samana Expedition 1891, Tirah Expedition 1897-8 (despatches, Khan Bahadur), Zakka-Khel Expedition 1908 (C I E), on Indo-Afghan Boundary Commns 1894-5, has been an M L A since 1923, received title Nawab 1915, and Kaisar-i Hind Gold Medal 1920 One of the founders of and Life Hon'y Secretary, Islamia College, Peshawar, Member, Indian Round Table Conference, First Minister, N W F P Government Address Peshawar

ABDUSSAMAD KHAN, • SAHIBZADA SIR, C I E (Kt, 1934), Holds 1st Class Kaisar-i Hind, Chief Minister, Rampur State b September 1874 m A Princess of Ruling Family of Roharoo State Educ In India under European Tutors Private Secretary to His late Highness 1894 to 1900 Chief Secretary 1900 to 1930, Chief Minister 1930 onwards Was deputed as an Adviser to Indian States Delegation, Round Table Conference, August 1931, Imperial Economic Conference, Ottawa May 1932 and Delegate on behalf of Indian States to the Assembly of League of Nations, 1933 Address The Mall, Rampur (State), U P

ABERCROMBIE, JOHN ROBERTSON, Merchant, Director, Wilson Latham & Co, Ltd, b June 11, 1888 m Elsie Maude d of E W Collin late I C S Educ Cheltenham Coll Came to India as Assistant in 1910, joined I A R O Feb 1915 Joined 18th K G O Lancers in France, May 1916, active service in France, May 1916—March 1918 and in Palestine March 1918—Feb 1919 Military Cross and mentioned in despatches Vice-President, Bombay Chamber of Commerce, 1925, President, 1930, Member Bombay Legislative Council 1925-26 and 1930-31 Address Central Bank Buildings, Bruce Street, Bombay

ABHEDANANDA, HIS HOLINESS SRFFMAT SWAMI, PH D (New York) President, Ramakrishna Vedanta Society, Calcutta, Spiritual Teacher, Lecturer and Author b Oct 2, 1866 Educ Calcutta University Disciple of Sri Ramakrishna Paramahansa and a spiritual brother of Swami Vivekananda, a Trustee of the Belur Math and Ramakrishna Mission Went to London in 1896 to lecture on Hindu Philosophy (Vedanta) In 1897 went to New York, U S A, and organised the Vedanta Society of New York Lectured before educational institutions, societies and universities for twenty-five years in England, America and Canada Returned to Calcutta in 1921 and established the Ramakrishna Vedanta Society of which he has since been President and also of Ramakrishna Vedanta Ashram at Darjeeling, of Ramakrishna Ashram at Sikkim, Dt Howrah and of Ramakrishna Vivekananda Ashram at Muzaffarpur of Chitra Bhaktishram, Dist Seranpur as well as of "Abhedananda Institute" Darjeeling Publications Reincarnation, Spiritual Unfoldment Philosophy of work, How to be a Yogi, Divine Heritage of Man Self Knowledge (Atma Jnan) India and her People Gospel of Ramakrishna, Sayings of Ramakrishna Human Affection and Divine Love Great Saviours of the World, "The Doctrine of Karma", "The Religion of the Twentieth Century", "Lectures and Addresses in India," and a number of pamphlets in English and Bengali, Founder and Editor of *Bisva Ban*, an illustrated Bengali monthly Magazine of the R K V Society Address Ram Krishna Vedanta Society, 19/B, Raja Raj Kissen Street, Calcutta

ACHARYA, M K, B A, I T, L A M L A, Public Worker and Journalist b 1876 m Rukmani Ammal, in 1894 Two sons Educ at the Madras Christian College Lecturer, 1896 to 1902 Head Master, 1902-1917, independent political worker since 1917 Publications Portraits from Indian Classics, A Hand-Book of Morals, "Kumuda" a drama, "Dasaratha" a tragedy, "Shri Krishna Karna Mrita," The Basic Blunder in the reconstruction of Indian Chronology by Orientalists, Indo-Britannia, etc, elected as a Member to the Indian Legislative Assembly by the Chinglepet cum S

Public Life, 1927, visited holy places in Iraq and Persia in 1929. Visited holy places in Palestine, Syria, Egypt and Hedjaz in Arabia in 1932. Address: Bangalore

ALIKHAN, KUNWIR HAJAT ISMAHIL M.L.A., Ruler of Asruhi Estate (Bulandshahr). Chairman, City Board Mussoorie b Dec 1897. m d of late Kunwer Abdul Shikur Khan, Chief of Dharampore. *Inter* Persian and Arabic at home, English St Peter's College, Agra. Was elected a Member of the City Board, Mussoorie, 1922. Junior Vice Chairman a year later. Attended Wembley 1924, Fellow of the British Empire Exhibition. Toured European countries, Western Asia and Northern Africa (1921-25), Chairman, Proposed High School Committee, Mussoorie (1925). General Secretary, Reception Committee, All India Muslim Rajput Conference (1925), Vice President and Hon'y Treasurer of the All India Muslim Rajput Conference. Elected Member of the United Provinces Legislative Council from the Bulandshahr District Mohammadan Rural Constituency (1926), Secretary Ghina Nand High School, Mussoorie (1927-29). President, Anjuman Islami, Mussoorie (1928-29). Manager-in-Charge Islamic School Mussoorie (1929-30). Elected Member of the Legislative Assembly from the Meerut Division Mohammadan Rural Constituency (1930). Member of the Governing Body the School of Agriculture, Bulandshahr. President, Titik Memorial Library, Mussoorie. Hereditary Darbari of the Government. Chief Whip and founder of United India Party in the Assembly. Member, Public Accounts Committee of Government of India, Member of Standing H'y Committee and Labour and Industry Committee. *Publications* Talim e Niswan Muslim Rajputan Hind. Council Speeches, Presidential Address of Mussoorie Tanzim. Address: Summer—Devonshire House, Mussoorie. Winter—Asruhi Estate (Bulandshahr). U P.

ALI IMAM SIR SYED (See under Imam)

ALI, SHAUKAT b Rampur State, 10th March 1873. *Educ* M.A.O. Coll., Aligarh (Capt Cricket XI). In Govt Opium Dept for 17 years. Sec and Organiser, Aligarh Old Boys' Assoc. Trustee, M.A.O. Coll. Organised collection of funds for Aligarh University. Interned during the war. Prominent leader of the Khilafat movement, 1919-20, and of Non co-operation movement. Sec., Central Khilafat Committee. Founder and Secretary of Khuddam-i-Kaaba Society. Appointed Member, Round Table Conference to represent Moslems, travelled in Moslem lands and helped in organizing the World Moslem Conference, visited Egypt, Palestine, Syria, Iraq, Zemen and Hejaz. Invited to America to deliver lectures about India and Islam in 1933. Address: Khilafat House, Love Lane, Bombay, 10. Rampur State, U P.

ALWAR, HIS HIGHNESS BHARAT DHAPAM PRABHAKAR SEWAI MAHARAJ RAJ RISHI SHRI JAY SINGHI DEV VEERENDRA SHIROMANI, G.C.S.I. (1924), G.C.I.E. (1919), K.C.I.E. (1919), K.C.S.I. (1911) Col in British Army,

1910, General in Chief of the Alwar State Forces, b 1882, S. father, His Highness Shri Sewai Maharaj Mangal Singh Dev Veerendra Shiromani, G.C.S.I., 1892, m once, maintains two regiments of Infantry and one Garrison force. The Infantry participated in operation for relief of Peking 1900. Infantry and cavalry both served at front in European War, State has area of 3,185 square miles and population in round figures of 7,50,000, salute, seventeen guns. *Recreations* Racquets, shooting, fishing, polo (his Polo team won the Open Cup at the Delhi Durbar, 1903), motoring, tennis. Address: The Palace, Alwar, Rajputana India, T.A. Alwarrendra, Alwar.

ANANTA KRISHNA AYYAR, The Hon'ble Mr Justice Rao Bahadur C.V., B.A., B.L., Judge of the Madras High Court b 1874. *Educ* Madras Christian College and the Madras Law College, Carmichael and Innes Prizeman in Law. Apprenticed to the late Justice P.R. Sundara Ayyar. Enrolled as a Vakil of the Madras High Court, in 1898, Election Commissioner, 1921-23. Government Pleader, Madras, 1923-27. Acted as a Judge of the Madras High Court in 1927. Appointed Advocate-General, Madras, in March 1928, elevated to the Bench as a permanent Judge in December 1928, Member of the Law College Council from 1921-1931, first Chairman of the Madras Bar Council. Address: "Sweta Sadan", No 1, Brodies Road, Mylapore, Madras.

ANDERSON SIR GEORGE, Kt (1924), C.I.E. (1920) M.A. (Oxon). Educational Commissioner to the Government of India b 15th May 1876. m to Gladys Alice Morony. *Educ* Winchester College, University College, Oxford. Trivial Education Department, 1902-10. Indian Educational Service, Professor of History, Ilkhamstone College, Bombay. Assistant Secretary, Calcutta University Commission 1918-1919, Member, Inquiry Committee of the Muslim University, Aligarh, Oct 1927. Member of the Education Committee of the Indian Statutory Commission 1928-29. *Publications* The Expansion of British India. British Administration in India, Short History of the British Empire. Address: Government of India, Simla and Delhi.

ANDERSON, THE RT HON SIR JOHN, P.C., G.C.B. (1923) G.C.I.L. Governor of Bengal (1932) b 8 July, 1882. m Christina (d 1920). 3rd d of the late Andrew Mackenzie of Edinburgh. one s one d. *Educ* George Watson's College, Edinburgh, and Edinburgh and Leipzig Universities. Entered the Colonial Office in 1905. Secretary of the Northern Nigeria Lands Committee, 1909, Secretary of the West African Currency Committee, 1911, Principal Clerk in the office of Insurance Commissioners, 1912, Secretary to Insurance Commissioners, 1913, Secretary, Ministry of Shipping, 1917-19, Additional Secretary to the Local Government Board, April 1919, Second Secretary, Ministry of Health, 1919, Chairman of the Board of Inland Revenue, 1919-22, Joint Under-Secretary to the Lord

AHMED, KHAN BAHADUR KAZI SIR AZIZU-DIN, Kt, C I E, O B E, I S O, Chief Minister, Datia State *b* 7 April 1861 *Educ* at Gonda High School *m d* of Mirza Mahomed Ismail, Subordinate Judge, Gonda, 1893 Served in the P C S, U P, for 34 years during which time acted as Magistrate and Collector, Bulandshar and Asstt Director of Agriculture and Commerce, U P, was on deputation with His Majesty the late Amir of Kabul during his Indian tour, services lent to Bharatpur State in 1910 for employment as Rev Member of Council of Regency, transferred to Dholpur, 1913 and retired from Government service in 1920 but continued to serve His Highness the Maharaja of Dholpur as Judicial Minister, rendered valuable services to the British Government during non-co operation days 1922-23 and 1930-31 Appointed Chief Minister, Datia, in 1922 Is member of the Court of the Delhi University and Aligarh University and Trustee, Agra College, Member, Senate of the Agra University, was Fellow, Allahabad University, 1907-20, and Member, Royal Asiatic Society, London, State Scout Commissioner for Datia State, President, St John Ambulance Association and Red Cross Society, Datia State Centre Awarded by the Grand Priory, St John's Gate, London an insignia on admission as an Associate Serving Brother of the Venerable Order of the Hospital of St John of Jerusalem Was awarded a jagir of Rs 5,000 per annum in recognition of his meritorious services by H H the Maharaja of Datia on the occasion of the celebration of his Silver Jubilee *Publications* Author of about 40 books in English and Urdu including life of H M King George V and H R H the Prince of Wales, Commentaries on Criminal Procedure Code and U P Land Revenue Act, translated into Urdu at the request of Government of India proceedings of the War Conference, 1919 and History of Coronation Durbar, 1911 *Address* Datia

AIKMAN, DAVID WANN, C I E (1912), Consulting Engineer to the Cawnpore Improvement Trust *b* 8 December 1863 *Educ* Cooper's Hill *m* Marion Drummond Stewart Joined P W D, 1885 Retd, 1918, *Publication* Roorkee treatise on water supply, Consulting Engineer for the Cawnpore Water-Work, etc. *Address* Charleville, 2, Simla, and 18, Clyde Road, Lucknow

AINSCOUGH SIR THOMAS MORTLAND, Kt (1932) C B E (1925), M Com, F R G S His Majesty's Senior Trade Commissioner in India and Ceylon *b* 1886 *m* Mabel, *d* of the late W. Lincoln of Ely, Cambs two sons *d Educ* Manchester Gr School, Switzerland and Manchester University In business in China, 1907-12, Spl Commissioner to the Board of Trade in China, 1914, Sec, Board of Trade Textile Committee, 1916, Sec, Empire Cotton Growing Committee, 1917, Expert Assist to Persian Tariff Revision Commission, 1920 Member of the Royal Asiatic Society Central Asian Society and Fellow of

the Royal Society of Arts *Publications* "Notes from a Frontier" *Address* Bengal Club, Calcutta

AIYANGAR, CHETLURU DURAI SWAMI, B A, B L, Advocate, Madras and Mysore High Courts and Ex-Member, Legislative Assembly *b* 1873 *Educ* Madras Christian College and Law College Schoolmaster for two years, then Vakil from July 1899, occupied offices of President, District Congress Committee, Dist Conference, etc President, Taluk Board and Chairman, Municipal Council, Chittoor, for some years President, Andhra Provincial Conference, 1928, President, Postal, and R. M S Union, Madras Province, 1929, *Publications* Estates Land Act in Telung, Sri Venkatesa or the First Archa, lessons from Sri Bhagavad Gita, Hinduism in the light of Visishtadvaitam, Gandhi Unveiled *Address* Chittoor

ALI, A F M ABDUL, MA b 1884 Son of Nawab Bahadur Abdul Latif Khan, C I E *Educ* St Xavier's, Doveton College, Calcutta Founder of Moslem Institute, Calcutta, Founder and Editor of the Journal of the Moslem Institute Joined Bengal Civil Service, 1906, placed on special duty, Political Department, Bengal, as Special Press Censor, Sept 1918 to March 1919, Police Magte, Alipore, September 1921 to March 1922, Appt Keeper of the Records of the Govt of India and *Ex-Officio* Assistant Secretary to the Govt of India, April 1922 Secretary to the India Historical Records Commission, Trustee and Honorary Secretary of the Indian Museum, Fellow, Calcutta University, Member of the Court of the Dacca University, Member, Executive Committee of the Countess of Dufferin Fund Past President, Rotary Club of Calcutta Member of the Executive Committee, District Charitable Society, Governor of the Calcutta Blind School, President of the Bengal Olympic Association, Member of the Executive Committee of the Bengal Flying Club, Secretary, Calcutta Historical Society, Vice-President, Calcutta Mahomedan Orphanage President of the Refuge for the Homeless and Helpless and Governor of the Calcutta Juvenile House of Detention *Address* 3, Turner Street, Calcutta.

ALI, KHAN BAHADUR MIR ASAD, Merchant Jagirdar *b* August 1789 *m* to Leakut-Anisa Begum, *d* of Nawab Ali Yaver Jung, Bahadur of Hyderabad (Deccan) *Educ* Nizam Coll, Hyderabad Hon Magte, Madras, 1912 Member, Imperial Legislative Council, 1913-20, Member, Legislative Assembly, 1921-23 Presdt, Elect, Dist Political Confee of Pullampet, 1916 Presdt Elect, Dist Political Conference Malabar, 1918, Presdt, Provincial Educational Confee, Poona, 1919, Presdt, Madras Presidency Muslim League, 1917-20, Presdt - Elect of All-India Unani Confee, Delhi, 1917 President, Unani-Ayurvedic Confee, Hyderabad, 1922 *Publications* "Maasharat," Urdu translation of the *Use of Life* by Lord Avebury, "Iraq-wo-Iran" Member, Cosmo poltan Club and Nizam Club, retired from

BABER, SHUM SHERF JUNG BAHADOOR RANA, General of the Nepalese Army, G B L, (Hon Mil) *cr* 1919, K O S I (Hon) *cr* 1919, K C I E (Hon) *cr* 1916, Hon Colonel, British Army (1927) *b* 27 January 1888, 2nd s of His late Highness Hon General Maharaja Sir Chandra Shum Shere Jung, G C B, G C S I, G C M G, G C V O, etc., of Nepal and Her late Highness Bada Maharani Chandra Lokabakta Lakshmi Devi *m* 1903, Deva Vakta Lakshmi Devi, 2 s 2 d Director-General, Police Forces, Katmandu, 1903-1929, was present at the Delhi Coronation Durbar, 1903, visited Europe 1908 was in charge of shooting arrangements during King George's shoot in Nepal, Terai, 1911, attached to the Army Headquarters, India (March 1915 to February 1919) as Inspector General of Nepalese Contingents in India during the Great War (Despatches, specially, thanks of Commanders in Chief in India, K C S I, K C I L, for Meritorious Service, received the 1st class Order of the Star of Nepal with the title of Supradiptha Manabara, 1918, the thanks of the Nepalese Government and a Sword of Honour), European War (Waziristan Field Force, 1917) Despatches, special mention by Commander in Chief in India and Governor General in Council, the Nepalese Military Decoration for bravery, the British War and Victory Medals, at Army Headquarters, India, as Inspector-General of Nepalese Contingent during Afghan War, 1919, (Despatches G B E, India General Service Medal with Clasp) Represented Nepal at the Northern Command Manœuvres (Attock, Nov 1925) In memory of his son Bala Shum Shere supplied (1921) Pokhara, a hill station in Nepal, with pipe drinking water at a cost of over Rs 1,00,000 Address Baber Mahal, Katmandu, Nepal, *via* India

BADLEY, BRENTON THORBURN (BISHOP), M A, D D, LL D, Fellow of the American Geographical Society, Member, Phi Beta Kappa Fraternity, Member, Sigma Alpha Epsilon Fraternity, Bishop of the Methodist Episcopal Church, Bombay Area *b* May 29 1876 *m* Mary Putnam Stearns of Boston University, Boston, Mass, U S A Educ Philander Smith College, Naini Tal (High School), Ohio Wesleyan Univ, Delaware Ohio, B A, D D, Columbia Univ New York City, M A, Simpson College, Indianola, Iowa (LL D) Professor of English Literature, Lucknow Christian College, Lucknow, 1900 1909, Gen Secretary, Epworth League, India and Burma, 1910 17, Associate Secretary, Board of Foreign Missions, New York, 1918 19, Executive Secretary, Centenary Movement, India and Burma, 1920 24, Consecrated Bishop (American Methodist Episcopal Church) May 1924 Publications "The Making of a Christian College in India" (Calcutta) 1906, "God's Heroes, Our Examples" (Mysore City) 1913, "New Etchings of Old India" (New York) 1917, "India, Beloved of Heaven" (New York) 1918, "Hindustan's Horizons" (Calcutta) 1923, "Indian Church Problems" (Madras) 1930, "The Solitary Throne" (Madras) 1931, "Visions and Victories in Hindustan" (Madras), "Warne of India"

(Madras) 1932 Address "Robinson Memorial", Byculla, Bombay

BAGCHI, SATISHCHANDRA, B A, LL D, Barrister-at-Law, Principal, University Law College, Calcutta *b* Jan 1882 Educ Santipur Municipal School, Calcutta, St John's College, Cambridge, B A, Calcutta University, 1901, B A, LL B, Cambridge Dublin, LL D, Trinity College, Dublin, 1907, Fellow, Calcutta University, 1909, Tagore Professor of Law, 1915, Member of the Faculty of Law, Dacca Uni 1911, head of the department of Law, Allahabad Uni 1911-32, Dean of the Faculty of Law, Allahabad Uni, 1931-32, Asutosh Mukherji Lecturer in Law, Calcutta Uni, 1931, called to Bar, Gray's Inn, 1907 Address Principal's Quarters, Durranga Buildings, University Law College, Calcutta

BAILLY, ARTHUR CHARLES JOHN, Kings Police Medal (1920), C I L (1931), Deputy Inspector General of Police *b* 2nd October 1886 *m* to Heather M H Hickie Educ St Andrew's College and King's Hospital, Dublin Joined Indian Police, 1906 Address Belgaum, M & S Mills.

BAIRD, MAJOR GENERAL HARRY BLANCHARD DOUGLAS, C B, C M G, C I L, D S O, Croix de guerre, (France) with palms, Commander Deccan District *b*, 4th April, 1877 *m* Mary, *d* of Captain A Caldecott Educ Clifton and R M C Sandhurst 12th Bengal Cavalry Brigade Major, I G C A D C to G O C in Chief, Aldershot, A D C to G O C 1st Corps, B L F G S O (Ind), Cav Corps, O C 8th Argyllshire Highlanders, G O C 75th Imp Brigade, B L F, B G G S, Baluchistan Corps, Third Afghan War, G O C 2nd Brigade Commandant S O S Belgium, D A and Q M G, Northern Command, G O C Kohat District, G O C Deccan District, Third 1897-1898, Great War, France 1914-18, Third Afghan War, Waziristan Operations 1921.

BAJPAI, GIRJA SHANKAR, B A (Oxon), B Sc (Allahabad), C B E (Civil), 1922, C I E, 5 July 1926, I C S, Joint Secretary to the Government of India, Department of Education, Health and Lands *b* 3 April 1891 Educ Muir Central College, Allahabad and Merton College, Oxford Appointed to the I C S in November 1915, Asstt Magistrate and Collector, United Provinces, 1915-1919, Under-Secretary to Government, United Provinces, 1920 21, Private Secretary to the Rt Hon V S Shrinivasa Sastri and Secretary for India at Imperial Conference, 1921, and at Conference for Limitation of Armaments, Washington, 1921-22, on deputation to the dominions of Canada, Australia, and New Zealand to investigate the status of Indian residents in those territories, 1922, Under-Secretary to the Government of India, Dept of Education, Health and Lands, 1923, officiating Deputy Secretary to the Government of

Lieutenant of Ireland, 1920 Permanent Under Secretary of State at the Home Office, 1922 to 1932 *Address* Government House, Calcutta

ANDREWS, CHARLES FREER, Professor in the International University of Rabindranath Tagore at Santiniketan, Bengal b 12 February 1871 *Educ* King Edward's School, Birmingham and Pembroke College, Cambridge Fellow and Lecturer of Pembroke College, Cambridge, 1899 Professor in St Stephen's College, Delhi, and member of Cambridge University Brotherhood, Fellow and some time member of Syndicate, Punjab University from 1904 to 1913, since that date at Santiniketan, Bengal *Publications* "Christianity and the Labour Problem", "North India", "The Renaissance in India", "Christ and Labour", "The Indian Problem", "Indians in South Africa", "To the Students", "The Drink and Drug Evil" "What I owe to Christ", "Christ in the Silence" Correspondent, *Manchester Guardian* Cape Argus, Natal Advertiser *Address* Santiniketan, Bolpur, Bengal

ANKLIKER, LT-COL AMIR-UL-UMRA SARDAR SIR APPAJIRAO SAHIB SITOLE DESHMUKH, SFA HADDOO, SAH SHRI, K B E (1919), C I E (1913), Member of the Gwalior Government in Department of Revenue since 1918 and Vice-President, Council of Regency, (1925) b 1874 *Educ* Belgaum Pte Secretary to the Maharaja of Gwalior, 1897 m the youngest daughter of the late Maharaja Jayrao Sahib Scindia of Gwalior *Address* Gwalior

ANNA RAO, CHALIKANI, B A (Chemistry), Landholder and Director of Luxmi Rangam Copper Mines b 1 January 1909 m to Anasuyadevi, d of Rajah of Ponnagal *Educ* Presidency College, Madras *Address* Bobbili, Vizagapatam District

ARCOT, PRINCE OF, SIR GHULAM MAHOMED ALI KHAN BAHADUR, G C I E (1917), K C I E (1909) b 22 Feb 1882 s father, 1903 Premier Mahomedan nobleman of Southern India, being the direct male descendant and representative of the Sovereign Ruler of the Kurnatic *Educ* Newington Court Wards Institutions, Madras under C Morrison, M A, Member of Madras Legislative Council, 1901-6, Member of the Imperial Legislative Council (Mahomedan Electorate) of the Madras Presidency 1910-13, Member of the Madras Legislative Council by nomination, 1916 President, All-India Muslim Association, Lahore, President, South India Islamic League, Madras Presided All-India Muslim League 1910, Life Member, Lawley Institute, Ooty, Life Member, South Indian Athletic Association, Club, Gymkhana Madras *Address* Amir Mahal Palace, Madras

AROGYASWAMI MUDALIAR, DIWAN BAHADUR RAYAPURAM NALLAVEERAN, B A, B C E, Rao Bahadur (1915) and Diwan Bahadur (1925), b 18th April 1870 *Educ* Madras

Christian College and College of Engineering, Madras Entered service under Madras Government Asstt Engineer in 1896 and retired as Superintending Engineer in 1925 Minister for Public Health and Excise (resigned in March 1928) *Address* Leith Castle, San Thome, Mylapore

ASH, HERBERT DUDLEY, A M I E E, Director, Turner Hoare & Co, Ltd b 1879 m Madeline Edith Ash *Educ* Haileybury College Attached 29th Lancers, 1915-17, Staff Captain Indian Cav Brigade, 1917-19 Twice mentioned in despatches *Address* C/o Turner Hoare and Co, Ltd, Bombay

ASLON, ARTHUR HENRY SOUTHCOTE, M A (Oxon), Barr at Law, (Lincoln's Inn) Additional Judicial Commissioner in Sind b 4 July 1871 m to Lilian, d of the late Col A R Savile *Educ* Harrow School, Balliol College, Oxford Public Prosecutor in Sind, 1906, Chief Presidency Magistrate, Bombay, 1906, Acting Additional Judicial Commissioner in Sind, 1920-23 *Publications* Joint Editor, Stirling's Indian Criminal Law (8th Edition), Editor (9th Edition) *Address* The Ridge, Bath Island, Karachi

AYANGAR, VALANGIMAN KRISHNASWAMI ARAYAMUDHA, M A (1914), C I E (1928), Secretary, Indian Central Banking Enquiry Committee b 15th December 1891 d of Prof K R Ramaswami Aiyangar, Prof of Mathematics, Engineering College, Madras (retired), *Educ* Kumbakonam Government College and Madras Presidency College Office of the Accountant General, Madras, Personal Assistant to the Controller of Currency, Calcutta, Asstt Secretary, Finance Department, Govt of India Jt Secretary to the Royal Commission on Indian Currency and Finance, Under Secretary to Govt of India, Finance Department, Member of the Joint Committee on the Reserve Bank of India Bill, Under-Secretary Commerce Department, Govt of India Officer on special duty, Finance Department, Govt of India and Secretary, Indian Central Banking Enquiry Committee Budget-Office, Finance Department, Government of India *Address* Wingate, Simla

AZIZ SYED ABDUL Minister-at Law, Minister of Education, Bihar and Orissa b 1885 *Educ* Patna Collegiate School, Patna College and B N College Called to the Bar in 1911 by the Middle Temple Enrolled Advocate of Calcutta High Court, 1913 and of Patna High Court, 1916 Founded the Anjuman Islamiya Urdu Public Library and the Patna Club President, Anjuman Islamiya and Patna Club interested in the do, presided over Se returned to Provincial Legislature in 1926 from Patna Division and again 1930 leader of the Ahir Party in the Council Minister of Education from January 15, 1934 *Address* "Dilkusha, Patna E I Rv (Bihar and Orissa)

kind for that region Under London Air Ministry programme for the expected trial flight of the airship R 101 being responsible for the section Basra to Karachi set up a complete temporary organisation for all the detailed requirements of the airship Honorary member, Karachi Aero Club Member from India on the "Commission de l'application de la Meteorologie et la Navigation Aérienne" Permanent member, Indian Science Congress Meteorologist, Bombay, since 15th November 1932 *Publications* The book Meteorology of the Persian Gulf and Mekran and other original contributions in Physics and Meteorology published in various Indian and European Journals *Address* Colaba Observatory, Bombay

BANERJI, SUKUMAR, RAI SAHIB, B A, Assistant Commissioner of Police in charge of North Suburbs, Calcutta b 5 October 1880 m to Subhasini, eldest d of late Kumar Satyeswar Ghosh of Bhukailas Raj Educ St Xavier's College, Calcutta, Law class, Government College, Krishnagar, Bengal Police Training School, obtained First prize in Law in the Final examination of the Police Training School Joined Calcutta Police in 1902, has been on several occasions especially mentioned in the Annual Administration Reports of the Calcutta Police Title of Rai Sahib conferred by Government, January 1931 *Address* Police Headquarters, Lal Bazaar, Calcutta

BAPNA, WAZIR-UD DOWLA RAI BAHADUR S M, C I E, B A, B Sc, LL B, Prime Minister to His Highness the Maharaja Holkar b 24th April 1882 m Shreemati Anand Kumari, d of the late Mehta Bhopal Singh, Dewan of Udaipur Educ at Maharaja High School, Udaipur, Govt College, Ajmer, and Muir Central College, Allahabad For about a year practised law in Ajmer Merwara, served in Mewar for about a year and a half as Judicial Officer, appointed District and Sessions Judge in the Indore State in Jan 1907 In 1908 was appointed Law Tutor to H H Maharaja Tukoji Rao Holkar III, appointed His Highness' Second Secretary in 1911 and First Secretary in 1913, appointed Home Minister in 1915, retired on special pension in April 1921, joined Patiala State as Minister and remained there till August 1923, rejoined Holkar State Service as Home Minister in 1923, soon after appointed Deputy Prime Minister and President of the Appeal Committee of the Cabinet In February 1926 was appointed Prime Minister and President of the Cabinet *Address* Bawabag, Indore, C I

BARIA, MAJOR (HON) HIS HIGHNESS MAHARAJA SHRI SIR RANJITSINGH, RAJA OF K C S I (1922) b 10 July 1886, two sons one d Educ Rijkumar College, Rajkot, Imperial Cadet Corps, Dehra Dun, and in England Served in European War, 1914-15 and in the Afghan War, 1919 Receives a salute of eleven guns *Address* Devgad Baria, (Baria State Rly)

BARKER, JOHN STAFFORD M V O (1911), P W Member and Chief Engineer, Holkar

State b 6 Sept 1879 m Mary Gertrude only d of the late H L Mowsey, I S O, Ceylon Civil Service Educ Bedford School and Royal Military Academy Commissioned in Royal Engineers, 1898, retired as Lt-Col March 1929, Electrical Engineer, Delhi Durbar 1911, Chief Engineer, Holkar State 1912 to 1915, 1919-1922 and since February 1929 Served in Mesopotamia 1915 to fall of Kut el-Amara, April 1916, mentioned in despatches for defence of Kut el-Amara Was C R E Quetta for three and a half years before retirement from the Army *Address* Indore, Central India

BARNE, THE RT REV GEORGE DUNSFORD, M A (Oxon), C I E (1923), O B E (1919), V D (1924), Elected Bishop of Lahore, April, 1932 b May 6, 1879 m Dorothy Kate Akerman Educ Clifton College and Oriel Coll, Oxford Asstt Master, Summersfields, Oxford, 1902-08, Curate of Christ Church, Simla, 1908-10, Chaplain of Sialkot, 1910, Chaplain of Hyderabad, Sind, 1911 and Asstt Chaplain of Karachi, 1911-12 Principal, Lawrence R Military School, Sanawar *Address* Lahore

BARTHE, RT REV JEAN MARIE, Bishop of Paralais since 1914 b Lesignan, Tarbe 1849 Educ St Pe Seminary Bishop of Trichinopoly, 1890-1914 *Address* Shembaganur, Madras Presidency

BARUA, RAI BAHADUR DEVICHARAN, B A, B L, M L A, Tea Planter b 1864 Educ City College, Presidency College and the General Assembly's Institution, Calcutta Joined the Bar in 1888 and taking to tea plantation and having acquired 3 tea gardens at Jorhat retired from the Bar in 1917, Secretary, Jorhat Sarvaanik Sabha for nearly 17 years since 1890 Elected member of the Indian Legislative Assembly, 1921, Hon Magistrate, Jorhat Bench *Address* Jorhat, Assam

BASU, JATINDRA NATH, M A Solicitor b 7 Feb 1872 m Mrs Sushila Basu Educ Hindu School and Presidency College, Calcutta Has been a member of the Bengal Legis Council almost continuously since 1920 President, Indian Association, Calcutta, leader of People's Party in Bengal Legislature, delegate from Bengal to the Indian Round Table Conf, is connected with several Educational and Social service organisations in Calcutta and is the head of B N Basu & Co, Solicitors *Address* 14, Balaaram Ghose Street, Calcutta

BATLEY, CLAUDE, A R I B A, Professor of Architecture, Bombay School of Art, also Member of Messrs Gregson, Batley and King, Chartered Architects b Oct 1879 Educ at Queen Elizabeth's School, Ipswich Articled in Ipswich Practised in Kettering Northants and in London up to 1913 and in Bombay thereafter *Publications* Sundry articles and papers both in England and India on architectural subjects *Address* School of Art, or Chartered Bank Building, Bombay

India, Department of Education, Health and Lands, 1924, Secretary to the Indian deputation to South Africa, 1925-26, Deputy Secretary to the Government of India, June 1926 *Address* Secretary to Government of India, 1927-29, Private Secretary to the Leaders of Indian Delegations to Geneva, 1929 and 1930, Joint Secretary to British Indian Delegation to the Indian Round Table Conference, 1930-31, Joint Secretary to Government of India, Department of Education, Health and Lands

BAJPAI, PANDIT SANKATA PRASADA, Rai Bahadur, B A, Zemindar and Banker *b* Nov 18, 1886 *m* Shrimati Sumitra Devi *Educ*, Canning College, Lucknow, Ewing Christian College, Allahabad and University School of Law, Allahabad Elected Member, Benares Hindu University in 1917, Elected Hon Secy, Kheri Dist Board, 1918, Appointed Hon Magistrate, 1918, Elected Chairman, Lakhimpur Municipality, 1919, and Member of the Imperial Legislative Assembly, 1920, Elected Member, U P Legislative Council, 1926, Elected Chairman, Education Committee, District Board, Viheri, 1929, Elected Chairman, District Board, Kheri, March 1933 *Address* Lakhimpore, Kheri, (Oudh)

BAKSHI SOHAN LAL, RAI BAHADUR, EX-M L A (non-Mahomedan Constituency, Jullunder Division) Advocate, High Court, Lahore *b* 4 April 1857 Practised as Vakil in Kangra, Jullunder and Lahore Elected Member, Punjab Legislative Council, 1913 20 *Address* High Court, Lahore

BALKRISHNA, DR, MA, Ph D, FSS, FRES, FR Hist S, Principal and Prof of Economics, Rajaram College and Inspector of Secondary Education, Kolhapur, *b* 22nd December 1882 *m* Miss Dayabai Malsey, B P N A *Educ* Govt High School, Multan, D A V College and Government College, Lahore, School of Economics and Politics, London Was Principal and Governor of Gurukula University, Hardwar, for one year, Vice-Principal for six years and Professor of History and Economics for 11 years Became Principal, Rajaram College, 1922 Director of Economic Bureau, President, Kolhapur Scout Association, Chairman, Secondary Teachers' Association, President, Technical School, Col Wodehouse Orphanage, Shahu D Free High School, Member, State Panchayat *Publications* (In English) Commercial Relations between India and England (1924), The Industrial Decline in India, Demands of Democracy (1925), Hindu Philosophers on Evolution, Shrivaji the Great, Indian Constitution (In Hindi) Seven books on History, Economics, Politics and Religion History of India (In Marathi) *Address* Shahpuri, Kolhapur

BALRAMPUR, MAHA AJA PATISHWARI PRASAD SINGH SAHIB minor under guardianship of the Court of Wards United Provinces *b* 2 Jun 1914 *m* Nov 1932, *d* of H H the late Maharaja Sir Chandra Shamsher Jung Bahadur Rana G C B, G C S I G C M G, G C V O, D C L (Oxon), F R G S, Prime

Minister and Commander-in-Chief of Nepal Receiving Education at Mayo College, Ajmer *Address* Balrampur

BANERJEE, RAI BAHADUR SARAT CHANDRA, MA, D L, C I E, Advocate, High Court, Calcutta *b* 3rd October 1870 *m* Sreemati Usha Devi *Educ* Presidency College, Calcutta and the Metropolitan Institution (Law), Lecturer in Mathematics, Physics, History and Political Economy, Free Church of Scotland Institution, Duff College, 1892, Vakil, High Court, 1893-1907, Legal Assistant, Legislative Department, Govt of India, 1907-14, President, Calcutta Improvement Tribunal, 1914-1930 *Address* 29, Sasitatala Road, Narikeldanga, Calcutta

BANERJI, SIR ALBION RAJKUMAR, Kt (1925) I C S, C S I (1921), C I E (1911), *b* Bristol, 10 Oct 1871, *m* 1898 *d* of Sir Krishna Gupta *Educ* Calcutta University, Balliol College, Oxford, MA, 1892 Entered I C S 1895, served as district officer in the Madras Presidency Diwan to H H the Maharaja of Cochin, 1907-14, reverted to British service, 1915, Collector and District Magistrate, Cuddapah, services placed at the disposal of Government of India, Foreign Department, for employment as Member of the Executive Council of H H the Maharaja of Mysore, March 1916 Officiated as Dewan of Mysore, 1919 Retired from the I C S Diwan of Mysore, 1922-26 Foreign Minister, Kashmir 1927-29 Awarded I Class title "Rajamantradhurina" of Gandabherunda Order, with Khillats by H H The Maharaja in open Durbar, Oct 1923 *Publications* The "Indian Tangle" (Published by Hutchinson & Co) *Address* C/o Coutts and Co 440, Strand, London, W C 2

BANERJI, BHABO NATH, M Sc (Allahabad) Ph D (Cantab), Meteorologist, Bombay (on leave) *b* 15 August 1895 *m* Renuka Devi *Educ* Allahabad University, Central Hindu College, Benares, 1912-16, and Canning College, Lucknow, 1916-18, Research Scholar and Assistant Palit Professor of Physics, University post-graduate College of Science, Calcutta, 1918 20, with Sir C V Raman, Government of India University State Scholar from Allahabad Univ at Cavendish Laboratory, Cambridge, with Sir J J Thomson, 1920-22 Joined Indian Meteorological Service January 1923, Meteorologist, Simla, 1923 26 As Meteorologist, Karachi Decr 1926 to Nov 1932 founded and organised on international lines the first aeroplane and airship meteorological centre at Karachi including a first class Observatory equipped with all self-recording meteorological instruments and investigational installations at the Airship Base, Drigh Road On deputation to England, Scotland, Norway, Germany, Belgium, France, Italy and Egypt Oct 1927 to August 1928 in connection with aviation meteorology with particular reference to Airships Fellow of the Royal Meteorological Society, London, 1928 Made special study of the Meteorology of the uninvestigated international air route from Persian Gulf to Karachi writing a book 'Meteorology of the Persian Gulf and Mekran' the first of its

1932, President, Associated Chambers of Commerce of India and Ceylon, 1932, Delegate, Indian Round Table Conference, 1931-32, Indian Army Retrenchment Committee, 1931. Address 37, Ballygunge Park, Calcutta

BENZIGER, THE MOST REV ALOYSIUS MARY, O C D, b Linseedln, Switzerland, 1861. Educ Frankfurt, Brussels, Downside. Came to India, 1890. Bishop of Tahr, 1900, Assistant to the Pont Throne, Roman Court, 1925. Retired as Bishop of Quillon in August 1931 & nominated Titular Archbishop of Antioch (Antinopolis) in recognition of his merits. Address Carmel Hill Monastery, Trivandrum, Travancore

BERKELEY-HILL, Lt-Col OWEN ALFRED ROWLAND, M A, M D, Ch B (Oxon), M R C S (Eng), L R C P (Lon), I M S, Medical Superintendent, European Mental Hospital, Ranchi b 22 Dec 1879 m Kunhimmann d of Nellary Ramotti. Educ at Rugby School, Universities of Oxford and Göttingen and University College Hospital, London. Entered Indian Medical Service in 1907. Served throughout Great War (East Africa Campaign). Mentioned in Despatches. President, Indian Psychological Association, President, Indian Association for Mental Hygiene, Member of Indian Branch of the International Association of Psycho Analysis. Publications Numerous articles in scientific journals. Address Kanke (P O), Ranchi, Bihar and Orissa

BERTHOUD, EDWARD HENRY, B A (Oxon), 1898, Member, Council of State and Commissioner of Excise and Inspector-General of Registration, Bihar and Orissa b 13 Sept 1876 m Phyllis Hamilton Cox. Educ at Uppingham and New College, Oxford. Asstt Magte, Joint Magte and Magte and Collector in Bengal and Bihar and Orissa since 1900. Address Patna

BLERTRAM, REV FRANCIS, S J (or BERTRAND), B A, D D, Kaiser-I-Hind (I class, 1921), Principal, Loyola College, Madras b 23 July 1870, at Montigny-les Metz, Lorraine. Educ in the Society of Jesus. Entered Society of Jesus, Aug 1888, came to India 1888, Principal, St Joseph's College, Trichinopoly, 1909-25, Principal, Loyola College since 1925, Member of Senate, Madras University since 1910, Member of Syndicate, since 1916, Member, Academic Council, since 1923, offg Vice Chancellor, Madras University, April to September 1931. Address Loyola College, Cathedral P O, Madras

BEWOOR, GURUNATH VENKATESH, B A (Bom), B A (Cantab), C I E, I C S, Director General of Posts and Telegraphs b 20 Nov 1888 m Miss Tingatar Mudholkar. Educ Deccan Coll, Poona, and Sydney Sussex Coll, Cambridge. Under Secretary to Govt, C P Dy Commissioner, Chanda, Postmaster-General, Bihar and Orissa and Central Circles. Dy Director-General of Posts and Telegraphs, Delhi, and Postmaster-General, Bombay Circle, Indian Delegate to the Air Mail

Congress at the Hague, 1927 and to the Universal Postal Congress, London, 1929. Address Delhi and Simla "Shri Krishna Niwas," Poona 1

BHABHA, HOMASJI JIHANGIR, M A, D Litt J P, C I E, Hon Pres Magte, Director of Tata Hydro Electric Power Supply Co., Member of Council of the Indian Institute of Science, Bangalore, deputed as a delegate to the Congress of Imperial Universities 1926 by the Universities of Bombay and Mysore b 27 June 1852 m Miss Jeral Edaljee Batiwala. Educ Liphinstone College and in England. Asstt Professor, Liphinstone College, 1871-76, Vice Principal and Professor of Logic and Ethics, Central College, Bangalore, 1876. Principal, Maharaja's College, Mysore, 1884, Education Secretary to Government, Mysore, 1890, Inspector-General of Education in Mysore, 1895-1909, Munir ul-Talim (Mysore) 1909. Pub Special Report on Manual Training in Schools of General Education, Report on the Education of Parsi Boys, 1920, a Visit to Australian Universities, 1923, a Visit to British Universities, 1926, Modern Cremation and Parsees, 1922. Address Malakoff Lodge, Mount Pleasant Road, Malabar Hill, Bombay 6

BHAIRUN SINGHJI BAHADUR, COLONEL MAHARAJ SRI SIR, K C S I, b 15th September 1879. Educ Mayo College Ajmer, Appointed Companion to H H the Maharaja of Bikaner, 1895 and accompanied him in his Indian Tour in 1896. Appointed Member of State Council, 1898 and was from time to time Personal Secretary to His Highness. Senior Member of Council and Secretary for Foreign and Political Department, Mahkama Khas, Foreign Member of Council, Political Member, Vice-President of State Council and the last Cabinet. Also acted as President of Council during H H's visits to Europe. Now in charge of the portfolio consisting of Bikaner Fort, Fort Palace, Badakirkhana Devasthan and Government General Records, Bikaner State. Is Hon Col of the Sadul Light Infantry and Personal A D C to the Maharaja. Publications Bhairavvilas, Bhairubened and Rasikbinod Son and heir Heraji Sri Ajit Singhji Sahib being Educated at Mayo College, Ajmer. Address Bikaner

BHANDARI JAGAN NATH, Rai Bahadur, Raj Ratin, M A, LL B, Dewan, Idar State b Jan 1882 m Shrimati Ved Kunwarji. Educ Government College, Lahore, and Law College, Lahore. Practised at Ferozepur till 1914, joined Idar State as Private Secretary, 1914, served there till 1922 as Political Secretary and Officiating Dewan, left Service and resumed practice at High Court, Lahore, appointed Dewan, Idar State, 1931. Address Himmatnagar, Idar State

BHARGAVA, RAI BAHADUR, PANDIT JAWAHAR LAL, B A, LL B, Advocate, High Court, Lahore b 1st Oct 1870 m d of L Madan Lal, Bhargava of Rewari. Educ Sirsa M B School, Rewari M B School, Lahore Mission Coll, Lahore Government Coll and Law School, President, Bar Assocn., Hissar, got Durbar

BATLIWALA, SORABJI HORMUSJI, (B A English Literature and Latin) b 21 March, 1878 *Educ* St Xavier's School and College Connected with the Cotton Industry, Technical Adviser to the Court Receiver of the Petit Group of Mills in Liquidation (1931) Has travelled extensively and studied the economic systems of various countries *Publications* Contributions on financial and economic subjects *Address* Green's Mansion, Apollo Bandar, Bombay

BEADON, DR MARY, M B B S (Lond), Kaiser i-Hind Second Class (1920), Principal, Lady Hardinge College, New Delhi m to R C Beadon, K C S G *Educ* at London (Royal Free Hospital) School of Medicine for Women Joined W M S in 1914, in charge Dufferin Hospital, Lucknow, 1909-1918, Superintendent, Women's Medical School, Agr, 1918-1920, Superintendent, Government Victoria Hospital, Madras and Lady Willingdon Medical School for Women, Madras, 1921-1930, Principal, Lady Hardinge Medical College, New Delhi, June 1930 *Address* Lady Hardinge College, New Delhi

BEASLEY, SIR HORACE OWEN COMPTON, Kt cr 1930, O B E, Hon Mr Justice Beasley Chief Justice of Madras since 1929 b 2nd July 1877 m 1909, Evelyn Augusta Atherton two s *Educ* Westminster School, Jesus College, Cambridge Called to Bar, Inner Temple, 1902 Puisne Judge, High Court of Burma, 1923-24, a Judge in the High Court of Madras, 1924-29 served European War, 1914-19, Western Front 1916-19 (Major O B E, despatches), Major Regular Army Reserve of Officers *Address* High Court, Madras

BEAUMONT, THE HON SIR JOHN WILLIAM FISHER, M A (Cambridge), King's Counsel, 1930, Chief Justice of Bombay b 4th September 1877 m Mabel Edith d of William Wallace (deceased) *Educ* Winchester and Pembroke College, Cambridge, First Class Historical Tripos, 1899 Called to Bar Chancery Division Lieut R G A, 1916-1918 *Address* "Coleherne Court", Harkness Road, Malabar Hill, Bombay

BEDI RAJA, SIR BABA GURBUKSH SINGH, Kt cr 1916, K B E (1920), C I E, 1911, Hon Extra Asst Commissioner in the Punjab b 1861 A Fellow of the Punjab and Hindu Universities, was a delegate to the Indo Afghan Peace Conference in 1919 *Address* Kallar, Punjab

BELL, ROBERT DUNCAN, C S I (1932), C I E (1919), Member of Council of the Government of Bombay *Educ* Heriot's School, Edinburgh, Edinburgh University and Trinity College, Cambridge m Jessie, d of D Spence, Esq Appointed I C S Bombay, 1902 Secretary, Indian Industrial Commission, 1916-17, Controller, Industrial Intelligence, 1917-18, Controller, Oils and Prints, 1918-19, Director of Industries, Bombay, 1919-24 Secretary to Government, Development Department and

Commissioner, Bombay Suburban Division, 1924-30 Chief Secretary to Government, Revenue Department, 1930-32 *Address* Secretariat, Bombay

BELVALKAR, SHIPAD KRISHNA, M A Ph D (Harvard Univ), I E S Professor of Sanskrit Deccan College, Poona b 11 Dec 1881 *Educ* Rajaram College, Kolhapur and Deccan College, Poona and at Harvard, U S A Joined Bombay Educational Department, 1907 Prof, Deccan College since 1914, one of the principal founders of the Bhandarkar Oriental Research Institute and for several years its Hon Secretary Also Hon Secretary, Poona Sanskrit College Association and General Secretary, All-India Oriental Conference Recipient of Kaiser i-Hind Silver Medal, *Publications* "History of Systems of Sanskrit Grammar", Edition and translation of Bhavabhuti's "Later History of Rama" in the Harvard Oriental Series, English translation of Kavyadarsa, Critical edition of Brahmasutrabhashya with Notes and translation, Biju Mallick Lectures on Vedanta Philosophy, Calcutta University, 1925, and (in collaboration with Prof Ranade) History of Indian Philosophy, Vol 2 (out of the 8 projected), several papers contributed to Oriental Journals or presented to the Oriental Conferences, and other learned Societies *Address* "Bilvakunja," Bhamburda, Poona, No 4

BENJAMIN, VEN T KURUVILLA, B A, Archdeacon of Kottayam since July 1922 Formerly Incumbent of Pro Cathedral, Kottayam: 1895-1922, Acting Principal, C N I, Kottayam, 1912-13, Surrogate, 1922, Bishop's Commissary, 1923 *Publications* (in Malayalam) Notes on the Epistles to the Hebrews, Notes on the Epistles to the Thessalonians Devotional Study of the Bible Editor of Treasury of Knowledge Family Friend *Address* Kottayam

BINNETT, GEORGE ERNEST, M Sc, M Inst C E, M I M E, Chief Engineer, Bombay Port Trust b 1884 m Frances Sophia Bennett *Educ* Stockport Grammar School, Manchester University Assistant Engineer (Bridges), G I P, 1910-1916 Port Engineer, Chittagong, 1916-1919, Engineer, Calcutta Port Trust, 1919-24 Senior Executive Engineer, Calcutta Port Trust, 1924-26, Deputy Chief Engineer, Bombay Port Trust, 1926-30, Chief Engineer, 1930 *Address* Bombay Port Trust, Bombay

BENTHALL, SIR EDWARD CHARLES, Kt, Senior Partner, Bird & Co, Calcutta and F W Heilgers & Co, Calcutta, since 1929, s of Revd Benthall and Mrs Benthall, b 26th November 1893 m 1918 Hon ble Ruth McCarthy Cable, daughter of first Baron Cable of Ideford, one son, *Educ* Eton (Kings Scholar), King's College, Cambridge Served European War 1914-19, India 1914-15, Mesopotamia 1916-18 (wounded), Staff War Office 1918-19 Director of numerous Companies, Director, Imperial Bank of India, 1916-32, Governor, 1928-30 President, Bengal Chamber of Commerce

Medal and War Loan Sanad acted as Secretary, India War Relief Fund, The Aeroplane Fleet Fund King Edward Memorial Fund was elected member Punjab Legislative Council, 1916-20 and Legislative Assembly, 1921-23. He is member St John Ambulance Association and Chairman, District Centre at Biscar. *Address* Biscar (Punjab)

BHATE, GOVIND CHIMPAJI MA (Pom) b 19 Sept 1870 Widower *Educ* Deccan College Professor in Ferguson College, Poona from 1895 to 1933 Principal and Professor Willingdon College, Sangli from 1919 *Publications*, Principles of Economics, Distant Travel, Lectures on Sociology, Carlyle, Three Philosophers Philosophy of the Fine Arts (All in Marathi) Speeches and Essays (in English), Kant and Shantiracharya (in Marathi) *Address* Willingdon College Post, Dist Satara

BHATIA, MAJOR SOHAN LAL MA M D P Ch (Cantib), M R C P (London) F R S I (1931) F C P S (Bombay) M C (1918) I M S, Dean and Prof of Physiology Grant Medical College Bombay b 5 Aug 1891 m Raj Kishore *Educ* Cambridge Univ (Peterhouse), and St Thomas Hospital London Casualty Officer and Resident Anaesthetist, St Thomas Hospital, London, Clinical Assist Children's Department, House Surgeon Ophthalmic House Surgeon Joined I M S 1917, saw active service with Egyptian Expeditionary Force (105th Mahratta Light Infantry), 1918, appointed Professor of Physiology, Grant Medical College in 1920 and Dean in 1925 *Publications* A number of scientific papers in the Indian Journal of Medical Research and Indian Medical Gazette *Address* "Two Gables", Mount Pleasant Road, Malabar Hill, Bombay

BHAVNAGAR, H H MAHARAJA KRISHNA KUMAR SINGHI, MAHARAJA OP, b 19th May 1912, s father Lt-Col H H Maharaja Sir Bhavsinhji Takhtasinhji, K C S I, July 1919 *Educ* Harrow, England Installed with full powers, 1931, married 1931 *Address* Bhavnagar, Kathiawar

BHOPAL, H H SIKANDER SAULAT NAWAB IFTIKHARUL-MULK SIR MOHAMMAD HAMIDULAH KHAN, NAWAB OF, G C S I (1932), G C I E (1929), C S I (1921), C V O (1922) b 9th Sept 1894 is the Ruler of the second most important Mohammedan State of India m 1905 Her Highness Maimoona Sultanshah Banoo Begum Sahiba, succeeded in 1926 mother, Her Highness Nawab Sultan Jahann Begum G C S I, G C I E, C I, G B E Has three daughters, the eldest of whom Nawab Gouhara Taj-Abida Sultan Begum is the heiress-presumptive *Address* Bhopal, Central India

BHORE, SIR JOSEPH WILLIAM, K C I E, C B E (1920), C I E (1923), K C S I, I C S, Member Viceroy's Executive Council, in charge of Department of Commerce and Railways b 6th April 1878, m to Margaret Wilkie Stott, M B, Ch B (St Andrews), M B E *Educ* Deccan College, Poona, and University

College, London Under Secy, Govt of Madras, 1910, Dewan of Cochin State, 1914-1919, Dy Director of Civil Supplies, 1919, Secretary to the High Commr for India, London, 1920, Ag High Commr for India in the United Kingdom, 1922-1923, Secretary to Government of India, Department of Education, Health and Lands, 1924 and Ag Member, Viceroy's Executive Council, November 1926 to July 1927 Secretary to Govt of India, Dept of Education, Health and Land Records (on deputation with the Statutory Commission on Indian Reforms, 1928-30 *Address* Windcliffe, Simla and c/o The National Bank of India, Madras

BHULLO, KHAN BAHADUR SIP SHAH NAWAZ, O P I (1919), K I H (1924), O I I (1925), K I (1930) Minister for Local Self Government Bombay b 1st March 1888 *Educ* Sind Madrasah and St. Patrick High School, Karachi President, District Local Board and M L C, Bombay Council, Chairman, Co-operative Bank, District Larkana, and Chairman, Bombay Provincial Simon Committee, Zamindar, Landlord and President, Sind Mahomedan Association Delegate, Round Table Conference Member, old Imperial Council Under Muslim Party in Bombay Council President Sind Azad Conference *Address* Secretariat, Bombay

BILIMORIA, APDASHIR JAMSETJEE, B A, b 18 September 1864 *Educ* Chhandanwady High School and Elphinstone College, Bombay Joined Messrs Tata in 1881 Retired 1921 *Address* C/o Dr Modi, Cooperage, Fort, Bombay

BILLIMORIA, SIR SHAPOORJEE BOMONJEE, K T (1928), M B E, J P, Partner in the firm of S B Billimoria & Co, Accountants and Auditors b 27 July 1877 m Jernal, d of Bhicaji N Dalal (1906) *Educ* St Xavier's College Honorary Presidency Magistrate, Member, Auditors' Council, Bombay, Member of the City of Bombay Improvement Trust Committee, Vice President, Indian Merchants' Chamber, 1926-27, President, Indian Merchants' Chamber, 1927-28, Member, Government of India Back Bay Inquiry Committee, 1927-28 President, Indian Chamber of Commerce in Great Britain, 1928-29 Member, Indian Accountancy Board Trustee, N M Wadia Charities, The Parsi Panchayat Funds and Properties, Sir Jamsetjee Jeejeebhoy Charity Funds and a number of other charity trusts and institutions *Address* 13, Cuffe Parade, Colaba, Bombay

BIRLEY, FRANK, D C M (1915), M L C Director, Best & Co, Ltd, Madras and President, Chamber of Commerce, Madras b 6 July 1883 m Evelyn Clifton of Perth, W A Joined Best & Co, Ltd, Madras in 1909 *Address* C/o Best & Co, Ltd, Madras

BISWAS, CHARU CHANDRA, C I E (1931) y s of late Asutosh Biswas, Public Prosecutor, 24 Parganas, M A, B L, Advocate, Calcutta High Court b April 21, 1888 m Sm Suhasini Biswas d of Mr S C Mallick *Educ* Hindu School, Presidency College, Ripon Law College

Controller of Contracts, Army Headquarters
b 15 Apr 1874, m 1912, Constance, d of
Sir John Graham, 1st Bt *Educ* Charter
house, Trinity College, Cambridge *Address*
Gillander House, Calcutta

BRAYNE, ALBERT FREDERIC LUCAS, MA
(Glas), BA (Oxon), CIE 1923, Indian Civil
Service, b 1 April 1884 m 1909, Mary, d
of James Thomson, MD Irvine, Arshire
Educ Irvine, Royal Academy, Glasgow
University, Oxford (Trinity College) Appointed
ed ICS, Bombay, 1908, Assistant Collector
Satara, 1908-1913, Superintendent, Land
Records, 1913-1916, Under Secretary and
Deputy Secretary to Bombay Government,
Revenue and Financial Departments, 1916-20
Subsequently Deputy Secretary, Finance
Department, Government of India and in
1922-23 attached to the Incheape Committee
on Retrenchment Financial Adviser, Posts
and Telegraphs, 1923-24, Financial Adviser,
Military Finance, 1924-29 Offg Secretary,
Finance Department, 1926-27, and again in
1931-32, also Army Department, 1928, Retren-
chment Officer, Government of India 1931
Chairman, Sind Conference and on special
duty in the India Office, 1932, Secretary to
Indian Delegation to Monetary and Economic
Conference, 1933 *Address*: Finance Depart-
ment, Government of India;

BRAYNE, FRANK LUGARD, MC (1918),
Officiating Commissioner, Multan, Punjab b
Jan 6, 1882 m Iris Goodeve Goble, 1920
Educ Monkton Combe School and Pembroke
Coll, Cambridge Joined ICS, 1905, Military
Service, France, Palestine, etc, 1915-19
M.C 1918 *Publications* Village Uplift in India
(1928), Socrates in an Indian Village (Oxford
Univ Press), The Remaking of Village India
(being the second edition of Village Uplift),
1929, (Oxford Univ Press) The Boy Scout
in the village (Uttar Chand Kipur, Lahore
1931), Socrates persists in India and The
Indian and the English village (Oxford
University Press) 1932 *Address* Multan,
Punjab, and Great Ryburgh, Norfolk

BRAYSHAY, MAURICE WILLIAM, MSc, (Leeds)
AM Inst CIE MID (India), Agent, B B
and C I Ry b 7 March 1883 *Educ* Ripon
Grammar School, 1895-1900, and Leeds Uni-
versity, 1900-1903 Training in Royal Dock-
yard Chatham, 1903-5, Apptd Asstt Engi-
neer, Indian PWD (Railways) 1905, Asst
Engineer, Eastern Bengal Railway, 1905-09,
Assistant and Executive Engineer under Sir
Robert Gales on the construction of the Sara
Bridge over the Ganges, 1909-15, Assistant
Agent, North Western Railway, 1915-17,
Dy Controller, Indian Munitions Board,
1917-18 Assistant Secretary Railway Board,
1918-24, Dy Agent, B B & C I Railway,
1924 Member, Railway Board, 1929
Agent, B B & C I Railway, 1932, Offg
Chief Commissioner, Railway Board 1933
Address Bombarci, Altamont Road, Bombay

BROOMFIELD, ROBERT STONEHOUSE, Mr
JUSTICE, BA, (Cantab), Bar at-Law, Judge,
High Court, Bombay b 1 Dec 1882 m
Mabel Louisa nee Linton *Educ* City of

London School and Christ's College Cambridge,
Appointed to Indian Civil Service, 1905,
Judge, High Court November 1929 *Address*
Murrayfield, Malabar Hill, Bombay

BROWN, THE REV ALTHUR LEWIST, MA
(Cantab), BSc (London), CIL (1926)
Missionary (Wesleyan Methodist) b 17
May 1882 m L Gertrude Parsons, MA
d of T L Parsons, Esq, Four Oaks, War-
wickshire In 1908 *Educ* Stationers Com-
pany's School, London, Kingswood School,
Bath (1895-1901) Trinity Hall, Cambridge
(Scholar) Entered Wesleyan Methodist
Ministry and joined Wesleyan College, Ban-
kura in January 1905, became Principal
in 1917, Nominated Fellow of Calcutta
University, 1921, General Superintendent,
Wesleyan Mission in Bengal, 1921-29 *Publi-*
cation, translation from Bengali of "The
Cage of Gold" by Sita Devi *Address*
Wesleyan College, Bankura, B N Ry

BUCK, SIR EDWARD JOHN, OBE (1918), CBE
(1918) Kt (June 1929) late Reuter's Agent
with Government of India now adviser to
Associated Press of India late Vice Chairman,
Alliance Bank of Simla, Chairman, Associated
Hotels of India, Pelman Institute (India),
and Director, Borooah Timber Co b 1862, m
Annie Margaret, d of late General Sir R M
Jennings, KC B *Educ* St John's College
Hurstpierpoint Was in business in Australia
Assistant and Joint Secretary, Countess of
Dufferin's Fund for 28 years Hon Sec,
Executive Committee "Our Day" in India
1917-28 *Publication* "Simla, Past and
Present" (two Editions) *Address* North-
bank, Simla

BUCKLAND, SIR PHILIP LINDSAY, Kt, cr
1926, Judge, High Court, Calcutta, since 1919
Educ Eton and New College, Oxford m
Mary, d of Livingstone Barday Called to
the Bar Inner Temple, 1896 Practised in
High Court, Calcutta *Publication* Text Book
on the Indian Companies Act, 1913 *Address*
Bengal Club, Calcutta

BUNBURY, EVELYN JAMES, BA (Oxon),
MC, JP Hon Presidency Magistrate
(Kaiser-i-Hind Gold Medal in 1932) Gen-
eral Manager, Messrs Forbes, Forbes
Campbell & Co, Ltd, Bombay b 31 Oct
1888, m 11 Oct 1928 *Educ* The Oratory
School, Queen's College, Oxford, and Cren
Univ, France Joined Forbes, Forbes Camp-
bell & Co, Ltd and came to Bombay in 1912,
served with Grenadier Guards in 1917 and
1918 in France and Germany *Address*
Mount Ida, Cumballa Hill, Bombay

BUNDI, H H MAHARAO RAJA, SIR RAGHUBIR
SINGHJI BAHADUR, GCSI, 1919, KCSI
cr 1897, GCI E cr 1900, GCV O cr
1911, b 26 Sept 1869 S 1889 *Address*
Bundi, Rajputana

BURDON, SIR ERNEST, BA, Oxon, CIE
(1921), CSI (1926), Knighthood (1931),
Auditor General in India b 27 Jan 1881
m Mary, d of Rev W Friweather, DD,
Dunblair, Manse, Kukuldy, Fife, *Educ*
Edinburgh Academy, University College,
Oxford (Scholar) Entered Indian Civil Service,

BLUNT, Hon. Mr. EDWARD ARTHUR HENRY, C.I.E., O.B.E., B.A., I.C.S. Member of Executive Council, United Provinces *b* 14 March 1877, *m* Adv. *d* of C. H. Stone, R. N. two *ds*, one *s* *Educ* Marlborough College and Corpus Christi College, Oxford Served in U.P. as Asst. Commr. and Asst. Magistrate, and Collector, Under Secretary to Govt. and Superintendent, Census Operation, on special duty in Finance Department of Govt. of India, 1912-13, Settlement Officer in 1915 Director of Civil Supplies in 1918, Director of Industries, 1919, Financial Secretary to U.P. Govt., 1920-31, appointed Member of Executive Council, 1931. *Publications* 'Christian Tombs and Monuments' of Historical interest in the U.P. (1911), Caste System of Northern India, (1932) *Address* Bandaria Bagh House, Lucknow

BLUNT, LESLIE, Solicitor *b* 29 Dec 1876 *m* Kathleen, 2nd *d* of the late Dr. Thornton of Margate *Educ* Rugby Senior partner in Crugie Blunt and Caroe *Address* 50, Pedder Road, Bombay

BOAG, GEORGE TOWNSEND, M.A. (Cambridge), C.I.E. (1928), I.C.S. Member, Indian Tariff Board *b* November 12, 1884 *Educ* Westminster (1897 to 1903), and Trinity College, Cambridge, (1903 to 1907) Passed into the I.C.S. in 1907 and joined the Service in Madras in 1908 *Address* Madras Club, Madras

BOILEAU, COLONEL COMMANDANT GUY HAMILTON C.B. (1919), C.M.G. (1917), D.S.C. (1915), Chief Engineer, Western Command *b* 27 Sep 1870, *m* Violet Mary (Fergusson) *Educ* Christ's Hospital, R.M.A. Woolwich Active Service W. Africa, 1892, Chitral Relief 1895, China 1899, Great War France, 1914-19, Afghan War, 1919 *Address* Quetta

BOMON BEHRAM, SIR JEHAANGIR BOMONJI, Kt. (1934), B.A., LL.B., J.P. (Solicitor), Bombay Merchant *b* July 1868 *Educ* St. Xavier's and Elphinstone College Jurisprudence Prizeman and Narayan Vasudev Scholar Practised as an Attorney for about 20 years, then became partner in C. Macdonald & Co., and was there for 5 years. Gave up business to do public service. Became member of Bombay Municipal Corporation, 1919, member of Standing Committee, 1921-22 to 1926-27 and 1928-29, Chairman, Standing Committee, 1928-29, Chairman, Schools Committee, Jan to March 1928 and January to December 1929, Chairman of Law, Procedure and Elections Committee, 1930-31, Chairman, Advisory Committee, J.J. and other Hospitals, Representative of Bombay Municipal Corporation on G.I.P. Advisory Committee and President of Corporation, and First Mayor of Bombay, 1931-32. Honorary Presidency Single sitting Magistrate Director of several Joint Stock Companies *Address* 'Behistan', opposite Colaba P.O., Colaba, Bombay

BOMBAY, BISHOP OF See Acland, Rt. Rev. Richard Dike

BOSE, SIR JAGADIS CHANDRA, Kt. *cr* 1917 C.I.E., 1903, C.S.I., 1911, M.A. (Cantab.), D.Sc. (Lond.), LL.D., F.R.S., Corresponding Member, Academy of Science, Vienna, Founder Director of Bose Research Institute *b* 30 Nov 1858, *Educ* Calcutta, Christ's College, Cambridge, Delegate to International Scientific Congress, Paris, 1900, scientific member of deputation to Europe and America, 1907-1914 and 1919. Published series of papers on Electric waves and other electric phenomena (Proc. Roy. Society) Former Member Committee on Intellectual Co-operation, League of Nations. *Publications* Response in the Living and Non-living, Plant Response, Electro-physiology of Plants, Irritability of Plants, Life Movements of Plants, Vols I and II, Life Movements in Plants, Vols III and IV, The Ascent of Sap, The Physiology of Photosynthesis, Nervous Mechanism of Plants, Motor Mechanism of Plants, Plant Autographs and their Revelations, Tropic Movement and Growth of Plants *Address* Bose Institute, Calcutta

BOSE, SIR KAILAS CHUNDER, RAI BAHADUR, Kt. *cr* 1916, C.I.E., 1910, Kaiser-i-Hind, 1909, O.B.E. *b* Decr 26, 1850 *Educ* Calcutta Training Academy, Calcutta University and Medical College Fellow, Calcutta University, Vice-President, Indian Medical Congress, Fellow, R. Institute of Public Health, Member, British Medical Association, ex Member of the Corporation of Calcutta and Hon. Presidency Magistrate, connected with many literary and scientific societies of India and England and most of his contributions to the Medical Journals have been reproduced in the English and American Press. 2nd *s* of late Babu Madhusan Basu *Address* 1, Sukea Street, Calcutta

BRABOURNE, 5th BARON, *cr* 1880 MICHAEL HERBERT RUDOLPH KNATCHBULL, G.C.I.L. M.C., Governor of Bombay, since 1933, *b* 8th May 1895 *s* of 4th Baron and Helena *d* of late H. von Flesch-Brammingen, Imperial Councillor, Vienna *s* father 1933 *m* 1919 Lady Doreen Geraldine Browne, *y* *d* of the 6th Marquess of Sligo *Educ* Wellington, R.M.A., Woolwich Served European War, 1915-18 (despatches thrice, M.C.) M.P. (U.) Ashford Division, Kent, 1931-33. Parliamentary Private Secretary to Secretary of State for India, 1932-33. *Hon.* S. Hon. Norton Cecil Michael Knatchbull, *b* 11 February 1922 *Address* Government House, Bombay

BRADFIELD, LIEUT. COLONEL WILLIAM CHARLES, Lieut.-Colonel M.B., M.S., F.R.C.S., O.B.E. (1918), C.I.E. (1928) A.D.M.S., Peshawar District *b* May 28, 1880 *m* Margaret Annie Burnard *Educ* King Edward's School, Birmingham, St. Mary's Hospital and St. Bartholomew's Hospital London *Address* Peshawar, N.W.F. Province

BRAY, SIR EDWARD HUGH, Kt. *cr* 1917, Senior Partner, Gillanders, Arbuthnot & Co., President, Bengal Chamber of Commerce, Member of Imperial Legislative Council

Delegate Parsi Chief Matrimonial Court, (1909-1925), Chairman, Standing Committee of Bombay Municipal Corporation (1921), Member, Bombay Municipal Corporation from 1914, Member, Bombay Board of Film Censors from 1924 Member Govt of India Committee for Conditional Release of Prisoners-1924 Chairman, Barmjee Tejcebhoy Parsi Charitable Institution, President 2nd Bombay Parsi Pioneers Boy Scouts and Vice President Bombay Presidency Released Prisoners Aid Society Donated a sum of Rs. 2,00,000 for the foundation of an Hospital for Children, it being the first of its kind in India Chairman of the Governor's Hospital Fund, Bombay Sheriff of Bombay for 1927 President, Landlords' Association Bombay and Vice President, Society for the Protection of Children in Western India Address The Cliff, Ridge Road, Bombay

BYRT, ALBERT HENRY Special Correspondent for *Times of India Daily Mail and Morning Post*, in Delhi and Simla b 18 March 1881, m Dorothy Muriel only d of Mr and Mrs Stafford Thorne Kingston-on-Thames Educ Private Entered to editor, *Bath Chronicle* and afterwards went to *Sirica Advertiser* Joined editorial staff of *Times of India* 11 June 1904 Assistant Editor 1911, Correspondent of Government of India headquarters since 1923 Acting Editor October 1926 February 1927 Address 22, Aurangzeb Road New Delhi and United Service Club, Simla

CAIRNS, JAMES OBLE, M A, MB, Ch B (Glas), D P H (Cimb), D T M & H (Eng), Chief Medical and Health Officer, North Western Railway b 12th July 1885 Educ University of Glasgow House Surgeon, House Physician, Glasgow Royal Infirmary and Victoria Infirmary, Glasgow, Asst to Professor of Anatomy, Glasgow University, Resident Physician, Rucell and Knightswood Hospitals, Glasgow, Sanitary Officer, 34th General Hospital, Major R A M C (Temp), D A Assistant Director, Medical Services (Sanitary), 8th Lucknow Division, Senior Assistant Health Officer, Bombay Municipality, Principal Medical and Health Officer G I P Railway and Major, Auxiliary Force Medical Corps Address C/o The Agent, North Western Railway, Headquarters Office, Lmpress Road, Lahore

CALCUTTA, BISHOP OF, MOST REV FOSS WESTCOTT, D D b 23 October 1863 s of the Rt Rev B F Westcott (late Bishop of Durham) Educ Cheltenham and Peterhouse, Cambridge Joined the S P G Mission, Cawnpore, 1889 Bishop of Chota Nagpore, 1905 Bishop of Calcutta and Metropolitan in India, 1919 Address Calcutta

CAJDER, CHARLES CUMMING, B Sc, B Sc (Agr) F L S Superintendent, Royal Botanic Garden Calcutta, Superintendent, Cinchona Cultivation in Bengal, and Director, Botanical Survey of India, Calcutta b 3 Dec 1884 m Lilian Margaret Reid, d of James Reid, Esq, Aberdeen, Scotland Educ Logic School Morayshire Gordons College, Aberdeen, University of Aberdeen, North of Scotland College of Agriculture, University of Berlin, Botanisches

Institute Dahlen Germany Landwirtschaftliche Hochschule, Berlin Curator, Herbarium, Royal Botanic Garden Calcutta, Secretary, Board of Scientific Advice for India Superintendent, Gardens and Plantations in Bengal and Burma and Director, Potanical Survey of India Publications Various Reports and Records, Editor, Report of Board of Scientific Advice, Annals Royal Botanic Garden, Calcutta, Records of the Botanical Survey of India Address Royal Botanic Garden, Calcutta

CAMPBELL, THOMAS, MR JUSTICE ARCHIBALD, B A, Puisne Judge, High Court, Lahore b 15 Jan 1877 m Violet, youngest d of the late Sir Cecil Beadon K C S I, 1st Governor of Bengal Educ Harrow and Pembroke Coll, Cambridge Entered I C S (Punjab) 1901, Asst Commr, Registrar, Chief Court, 1912, Offg Dist and Sessions Judge 1918, Addl Judge, High Court 1921, Permanent Judge 1925 Address Lahore

CAROL, CECIL NILES, B A (Oxon), Solicitor b 23 Aug 1878 Educ Private and Univ College, Oxford Address 1, Pall Hill, Bandra

CARR, SIR HUBERT WINCH, Kt (1925), Managing Director, Bulmer Lawrie & Co, Ltd b 1877 m to Evelyn Margaret Bruce, elder d of Herbert Johnston Esq, W S Edinburgh Educ The Abbey, Beckenham Kent Tea-planting in Assam 1898 1901, thereafter joined Bulmer Lawrie & Co, Calcutta, became senior resident partner, 1916, Pres of European Association, 1922-25 Address 7, Alipore Park, Calcutta

CASSELLS, GENERAL SIR ROBERT ARCHIBALD, G C B (1933), C S I, D S O, C O C in Command Northern Command (1930), b 15 March 1876 m Miss F L Jackson (1904) Served in the European war, including Egypt and Mesopotamia Commanded Peshawar District, 1923-1927, Adjutant-General in India, 1928-29 Address H Q Northern Command, Rawalpindi and Murree

CATER, SIR ALEXANDER NORMAN LEY, Kt, C I L (1930), Agent to the Governor General, Baluchistan b 15 June 1880 Educ Wellington College, Christ's College, Cambridge Entered I C S 1904 Address The Residency, Quetta

CATRY, DR HECTOR, O C, Catholic Bishop of Lahore, since March 1928 b 1889, Belgium Educ Seraphic School, Bruges Joined the Capuchin Order at Liechten, 1907, ordained priest, 1914 came to India, 1920 Address 1, Lawrence Road, Lahore

CHAIY SINGH RAO RAHADEI MAITR F R L S Thakur of Tokuan (Pioneer Noble) a jagir of over 1,000 sq miles in Todhpur State, and Talukdar of Rajpur (District Rae Bueh), Oudh b 5 Feb 1880 Educ Canning College Lucknow and Muir Central College, Allahabad Entered Allahabad High Court Bar 1911 Judge Court of Suddus 1911 1922 Puisne Judge, Chief Court 1922 1927, Chief Judge, Chief Court 1927 1929, Minister in

1905, Financial Under Secretary to Punjab Government, 1911, and to Government of India, 1914, Financial Adviser, Mesopotamian Expeditionary Force, 1918-19, Financial Adviser, Military Finance, Govt of India, Member of Indian Munitions Board and of Imperial Legis Council, India, 1919, Secretary to Government of India, Army Department and Member of Legislative Assembly, 1922-26, Secretary to Government of India, Finance Department, and Member of Council of State, 1927-29 *Address* Simla and New Delhi

BURDWAN, SIR BIJAY CHAND MAHTAB, MAHARAJADHIRAJA BAHADUR OI, G C I L *cr* 1924, **K C S I** *cr* 1911, **K C I L** *cr* 1909 **I O M**, *cr* 1909, **F R G S**, **F R S A**, **I R C I**, **F N B A**, **M R A S**, Hon **L L D** Camb and India 1926 *b* 19 Oct 1881, a Member of 3rd Class in Civil Division of Indian Order of Merit for conspicuous courage displayed by him in the Chertoun Hill, Calcutta, 7 Nov 1908, adopted by late Maharajadhiraja and succeeded, 1887, being installed in independent charge of zemindari, 1903, management in intervening years carried on by his father, the late Raja Bun Bihari Kapur two s two d Burdwan (the senior Hindu House in Bengal) ranks first in wealth and importance among the great Bengal zemindaris Has travelled much in India, made a tour through Central Europe, and visited British Isles in 1906, when he was received by King Edward, a Member of Imperial Legislative Council, 1909-12, Bengal Legislative Council, 1907-18, temp Member of the Bengal Executive Council 1918, Member of the Bengal Executive Council, 1919-24 Vice-President, Bengal Executive Council, from March 1922 to April 1924, Member of the Indian Reforms Enquiry Committee, 1924 Member of the Indian Taxation Enquiry Committee, 1924-25, a nominated member of the Council of State, 1926, Delegate from India to the Imperial Conference, London, 1926, when he was received by King George V, Received the Freedom of the Cities of Manchester, Edinburgh and Stoke-on-Trent, 1926 Trustee of the Indian Museum, 1908 President, Agri Horticultural Society of India, Calcutta, 1911 and 1912, President of the British Indian Association, Calcutta, 1911-18, again from 1925 to 1927, Trustee of the Victoria Memorial Calcutta since 1914, Chairman, Calcutta Imperial (King-Emperor George V and Queen Empress Mary) Reception Fund Committee, 1911-12, President of the Bengal Volunteer Ambulance Corps and of the Bengalee Regiment Committees during the War *Publications* *Vijaya Githa*, and various other Bengali poetical works and dramas, *Studies Impressions* (the Diary of a European Tour), *Meditations*, *The Indian Horizon*, etc *Heir* Maharajadhiraja Kumar Saheb Uday Chand Mahtab, B A, Dewani Raj of the Burdwan Raj since 1927, Manager of the Burdwan Raj Wards Estate since 1930, Private Secretary to the Maharajadhiraja Bahadur at the Imperial Conference, London, 1926 *b* 14 July 1905 *Address* The Palace, Burdwan Bijay Manzil, Alipore, Calcutta, The Retreat, Kurseong, Bengal, Rosebank, Darjeeling, Mosapher Manzil, Agra, U P etc

BULLY, DR GEORGE WILLIAM, Wh Ex, 1906, B Sc (Engineering) (London), 1921, D Sc (London), 1927, **M I Mech E**, 1923, **M I E**, 1923, **M A S Mech E**, 1926, **M R S T** (1929), Principal and Professor of Mechanical Engineering, Victoria Jubilee Technical Institute, Matunga, Bombay *b* 1885 *m* Ella Elizabeth *ed*, Harry Lurton *Educ* Sheffield University College and Sheffield University (Applied Science Department) Asst Engineer, Yorkshire Electric Power Co, Engineering Research Student, Sheffield University, Lecturer in Engineering and head of Machine Tool and Cutting Tool Research Departments, Sheffield University, Technical Manager, Guy Motors, Wolverhampton, and Lecturer in Electric Engineering, Wolverhampton Technical College *Publication* (*Books*) Lathes their construction & Operation, The Testing of Machine Tools Machine and Fitting Shop Practice Principles and Practice of Toothed Gear Wheel Cutting (*Papers*) On Machine Tool Design before the Sheffield Society of Engineers and Metallurgists, on Cutting Tools before the Institution of Mechanical Engineers, and on Automatic Machine Tools and Mass Production before the Institution of Engineers (India), *Technical Articles* Upwards of 200 on various Engineering subjects in the Technical Press of England, America and India *Address* V J T Institute, Matunga, Bombay

BURNS, WILLIAM, D Sc (Fdm), I A S, Director of Agriculture, Bombay Presidency *b* July 6 1884 *m* Margaret Forest Atchison, 1912 *Educ* Edinburgh University Reading College, Assistant Lecturer in Botany 1907-8 Indian Agricultural Service, Economic Botanist to Bombay Government 1908 1933, Principal, Poona Agricultural College (in addition) 1922-1933 Joint Director of Agriculture 1926-27 *Publications* Botanical, Agricultural, Horticultural, and Nature Study papers *Address* Poona

BURT, BRICE CHUDLEIGH, C I L, M B E, B Sc (Lond), I A S, Agricultural Expert, Imperial Council of Agricultural Research *b* April 29, 1881 *m* 1906 *Educ* Univ Coll, London, Assistant Lecturer, Liverpool University, 1902-4, Trinidad, British West Indies, 1904-7 Entered the Indian Agricultural Service, January 1908, Dy Director of Agriculture, United Provinces 1908-21, Director of Industries, United Provinces, (in addition), 1912-15 Secretary, Indian Central Cotton Committee, 1921-28 Director of Agriculture, Bihar and Orissa, 1928-29 Official Adviser to Indian Delegation, Imperial Economic Conference, Ottawa, May to September 1932 *Address* 1 York Road, New Delhi and Middle Land, Simla

BYRAMJEE JEEJEEBHoy, Sir, Kt (1928), eldest son of Rustomjee Byramjee Jeejeebhoy, Landlord and Merchant, large landed proprietor owning 9,000 acres in Salsette, *b* 28th Feb 1881 *m* Jerbai Jamsetjee Cursetjee, grand daughter of Sir Jamsetjee Jeejeebhoy, 2nd Baronet *Educ* St Xavier's School and College, Bombay J P (1908), Hon Pres Magte, 1908 1915,

has been Member of Imperial Economic Committee 1925-1931, Indian Government Delegate to London Naval Conference, 1930, Member, Munitions and Industries Board, 1920, Secretary to the Government of India, Department of Industries, 1921, Member of the Viceroy's Executive Council in Charge of Industries and Labour, Member of the Legislative Assembly, 1921-24. High Commissioner for India in London 1925-31. Leader of Indian Delegation to Imperial Conference, Ottawa, 1932. *Publications* Note on the Industries of the United Provinces (1909). *Address* The Athenaeum, Waterloo Place, London, S W 1

CHATTERJEE, SISIR CHANDRA, M D (Edin) M R C P (Edin), DPH (Univ Edin), officiating Chief Medical Officer, E B Rul, way b 4 Dec 1886 m Nance MacDonald, *Educ* Calcutta and D Edinburgh Temp Commission in the I M S during Great War, District Surgeon, G I P Railway, 1918-28, Dy Chief Medical and Health Officer, N W, Riv, 1920-31, Principal Medical and Health Officer, G I P Railway, 1931. *Address* 2, Belvedere Park, Calcutta

CHAUDHARI, JAGES CHANDRA, B A (Oxon), M A (Cal), Bar-at-Law b 28 June 1863 m Saraswata Devi 3rd d of Sir Surendranath Banerjee. *Educ* Krishnagar Collegiate School, Presidency College, Calcutta, St Xavier's College, Calcutta and New College, Oxford. For some time Lecturer of Physics and Chemistry at Vidyasagar College, Calcutta, Editor, Calcutta Weekly Notes since 1896, Organising Secy, Indian Industrial Exhibitions in Calcutta in 1901-1902 and 1906-7, Member, Bengal Council, 1904-7, Member, Legislative Assembly, 1921-1923, Fellow of the Calcutta University, 1927-1931. *Publications* Calcutta Weekly Notes. *Address* 3, Hastings Street, and "Devadwar," 34, Ballgunge, Circular Road, Calcutta

CHAUDHRI LAL CHAND, HON CAPTAIN THE HON RAO BAHADUR, B A LL B C L E, M L A (Nominated) b 1882 m Shrimati Sushila Devi, belonging to a Sikh Jat Family of Perozepur Dist. *Educ* St Stephen's College, Delhi, Joined Revenue Department, 1904, took LL B degree 1912 and practised as lawyer at Rohtak, elected Vice Chairman, District Board, 1914-17, elected Punjab Council, 1916, nominated Council of State, 1922, President All India Jat Maha Sabha, 1918 (elected), Manager of High School for Sons of Soldiers, hon recruiting officer during War Minister, Punjab Government, 1924, Revenue Member, Bhratpur State, 1924 and President, State Council, 1926-1927. Has taken to practice as an Advocate of the Lahore High Court at Rohtak. President All India Jat Maha Sabha. *Address* Rohtak

CHITTY, SIR SHANMUKHAM, KCIE (1933), B A B L Lawyer and President, Legislative Assembly b 17 Oct 1892. *Educ* The Madras Christian College. Elected as a member of the Madras Legis Council in 1920, was appointed Council Secretary to the Development Minister

in 1922, in Oct 1922 was deputed by the Madras Govt to report about measures of Temperance Reform in Bombay, Bengal and the United Provinces. Elected in 1923 as member, Legislative Assembly. Visited England in May 1924 as one of the members of the Deputation sent by the National Convention of India, visited Australia as Indian representative on the Delegation of the Empire Parliamentary Association in September 1926, was re-elected uncontested to Legis Assembly in the General Election of 1926, Chief Whip of the Congress Party in Legislative Assembly, was nominated by the Government of India as Adviser to the Indian Employers' Delegate at the Eleventh Session of the International Labour Conference held at Geneva in June 1928. Again in 1929 was nominated a second time to represent the Indian Employers in the 12th International Labour Conference at Geneva, was appointed a member of the Central Banking Enquiry Committee. Re-elected to the Assembly in 1930 without contest, was elected Dy President, Legislative Assembly in January 1931. Attended International Labour Conference at Geneva in April 1932 as Chief Delegate of Indian employers, was nominated by Government of India as one of its representatives at Imperial Economic Conference held at Ottawa in July-August 1932. Elected unanimously as President of the Legislative Assembly in March 1933. *Address* "Hawarden" Race Course, Coimbatore

CHETWODE, FIELD MARSHAL SIR PHILIP WALHOUSE, 7th Bt or 1700, G C B (1929), K C B (1918), K C M G (1917), C B (1915), D S O (1900), A D C General, 1927, Commander-in-Chief in India (November 1930) b 21 September 1869, e s of Lieut-Col Sir George Chetwode, 6th Bt and Alice, d of late Michael T Bass, Rangoon, Staffordshire m 1899 Hester Alice Camilla, e d of late Col Hon Richard Stapleton Cotton, one s one d. *Educ* Eton. Entered Army 1889, Capt 1897, Major 1901, Lieut-Colonel, 1909, Col 1912, Brig-General 1911, General, 1926. Field Marshal, 1933, served Chin Hills, Burma, 1892-3 (medal with clasp), S Africa, 1899-1902 (despatches twice, Queen's Medal 5 clasps, King's Medal 2 clasps, D S O), European War 1914-18, commanded 5th Cavalry Brigade, 1914-15 (wounded, C B), 2nd Cavalry Division, 1915-1916 (promoted Major-General for distinguished service), commanded Desert Corps, Egypt, 1916-17 (K C M G), commanded East Force, 1917, commanded 20th Army Corps, 1917-18, capture of Jerusalem and campaign in Palestine and Syria (despatches eleven times), 1914 Star, British General service Medal and Allied Medal, K C B, Commander Legion of Honour, Croix de Guerre Grand Officer Order of the Nile) 1st Class Order of the Sacred Treasure (Japan), order of the Star of Nepal, First class, promoted Lieut-General, (1919), Military Secretary, War Office, 1919-20, Deputy Chief of the Imperial General Staff, 1920-22, Adjutant General to the Forces, 1922-23, Commander-in-Chief, Aldershot Command, 1923-27, Chief of General Staff, India, 1928, 1930. *Address* Simla and Delhi

charge of Justice and Education, Government of Jodhpur since 1929 also President, Marwar Soldiers Board and Red Cross Society (Jodhpur Branch), Member, Governing Bodies of Lucknow, Benares and Agra Universities
Address Pokaran House, Jodhpur and The Fort Pokaran

CHAMAN LALL, DIWAN, ex-M L A b 1892 Educ at Convent Muree, Gordon Mission College, Rawalpindi, Private Tutors at Folkestone, London and Paris joined the Middle Temple in 1910, finished his B.A. Final in 1914, took Honours Degree, in Jurisprudence from Jesus College, Oxford, 1917, spent 1918-1919 touring England in connection with the Home Rule Deputation headed by Mr Tilak, was appointed General Editor of *Coleridge*, a London quarterly of Art and Literature, returned to India in 1920, joined the staff of the *Bombay Chronicle* as Asst Editor, founded the All-India Trade Union Congress in 1920 Member, Legislative Assembly, 1923-30 Founder the *Daily and Weekly Nation* (Newspaper), Adviser, Labour Delegate, International Lab Confee, Geneva, 1925, Labour Delegate, International Labour Confee, Geneva, 1928, Parliamentary Delegate, Indian Delegation to Canada, 1928, Member, Royal Commission on Labour in India, 1929 1931, offered membership Round Table Conference, 1930 but declined, resigned from the Legis Assembly, 1930 on Tariff issue, President, Sind Provincial Conference, 1929 President, North-Western Railway Recognised (Registered) Union since 1929, President All India Telegraph Workmen's Union, since 1929, President, All-India Postal and R M S Association, 1930, President, All-India Postman and Menial Staff Association, 1930 seceded from All-India Trade Union Congress and as Chairman of secessionists helped to found All-India Trade Union Federation Labour Delegate, International Labour Conference Bureau, 1932 Publication, 'Coolie or the Story of Capital and Labour in India' Address Lahore, (Punjab)

CHAMNEY, Lt-COL HENRY, C M G, 1900, Principal, Police Training College, Surdah b Shillelagh, co Wicklow m 1st, 1907, Hon Cecilia Mary Barnewall (d 1908), sister of 18th Lord Trimlestone, 2nd, 1913, Alice, d of Col W E Bellingham of Castle Bellingham, co London Educ Monaghan Diocesan School Served South Africa, 1900, first as Major Commanding Lumsden's Horse, and later with South African Constabulary joined Indian Police, 1909, accompanied the relief column to Manipur in 1891 Address Police Training College, Surdah, Rajshahi, Bengal

CHANDA KAMINI KUMAR, M A (1886), B L, M L A, Advocate, High Court Calcutta b Sept 1862 m Chandraprakash Chaudhuri Educ Presidency Coll, Calcutta Formerly a member of the Assam Council and Governor-General's Council and later of the Legislative Assembly, Fellow, Calcutta University Publications Presidential Address, 1st Surma Valley Conference, 1906, Presidential Address Special Session, Bengal Provincial Conference, 1919, Presidential Address, All-

ahabad Postal and R M S conference, 1924, Chairman, Reception Committee, Literary Conference, 1914-1915 and 1928, Chairman, Municipality Silchar, Chairman, Silchar Co operative Town Bank Address Silchar, Assam

CHANDAVARKAR, VITHAL NARAYAN, Vice-chancellor of Bombay University eldest s of the late Sir Narayan Ganesh Chandavarkar, B A (Cantab), Maths Trip Pt I (1909), Nat Sc Trip Pt I (1911), Hist Trip Pt II (1912), Barrister-at-Law of Lincoln's Inn, 1913, Assistant, N Sirur & Co Cotton Mill Agents b 26 Nov 1887 m Vatsalabai, 3rd d of Rao Saheb M V Kulkarni of Karwar (N Kanara) Educ Arvan E S High School and Elphinstone High School, Elphinstone College, Bombay, and King's College, Cambridge, Advocate, Bombay High Court, 1913-20, Acting Professor of History, Elphinstone College, Bombay July to October 1915, joined the firm of N Sirur & Co, 1920, Elected Councillor, Bombay Municipal Corporation, 1926, Elected 1929 and 1932, Chairman, Law Committee, 1928-29, Chairman, Standing (Finance) Committee, 1929-30, Chairman, Revenue Committee, 1930-31, Mayor of Bombay, 1932-33 Appointed Vice-chancellor, University of Bombay April 1933 Address 41, Pedder Road, Malabar Hill, Bombay

CHARANJIT SINGH, THE HON'BLE RAJA (1932), Chief of Punjab and Member, Kapurthala Ruling Family, Member Council of State Durbar 1903, Coronation 1911 Durbar 1911 b 1883 s of Kanwar Sohel Singh Educ Jullunder, Chief's College, Lahore, Govt College, Lahore, Address Charanjit Castle, Jullunder City, Chadwick, Simla, S W, 5 Mansingh Road, New Delhi

CHARKHARI, H H MAHARAJA-DHIRAJ, SIPAHDAR-UL-MULK MAHARAJA ARIMARDAN SINGH JU DEO BAHADUR b Jan 1903, s 1920 Educ Mayo Coll, Ajmer, invested with full Ruling Powers on December 6th, 1924 Address Charkhari State, Bundelkhand

CHATTERJEE, SIR ATUL CHANDRA, G C I E, (1933), K C S I, (1930) K C I E, (1925) Member of the India Council 1931 b 24 Nov 1874 m 1 Vina Mookerjee (deceased) (2) Gladys M Broughton, O B E, M A, D Sc Educ Hare School and Presidency Coll., Calcutta, and King's Coll., Cambridge, First in list Calcutta B A, B A with Honours (Cambridge), Hon LL D (Edinburgh), First in list I C S Open Competition Entered I C S, 1897, served in U P Special inquiry into industries in U P, 1907-08, Registrar, Co operative Societies, U P, 1912-16, Revenue Sec, U P Govt, 1917-18, Ch Sec, U P Govt, 1919, Govt of India delegate to International Labour Confee, Washington, 1919 and Geneva, 1921, 1924-1933, (President, International Labour Conference, 1927) and to League of Nations Assembly 1925, President, Governing Body, International Labour Office, Vice-President of the Economic Consultative Committee of the League of Nations Member, Permanent Opium Board of League of Nations;

- CLOW, ANDREW GOURLAY, M A, J P, F S S, C I E (1928), Indian Civil Service, Joint Secretary to Government of India, Dept of Industries and Labour (1931) *b* 29th April 1890, *m* Arradine Mavis Dunderdale 1925 *Educ* Merchiston Castle School, Edinburgh, St John's College, Cambridge. Served in U P as Asstt Collector, Assistant Settlement Officer and Settlement Officer, 1914-20, Controller, Labour Bureau, Govt of India, 1920-23, Chairman, Seamen's Recruitment Committee, 1922, Secretary, Workmen's Compensation Committee, 1922, Under Secretary to Government of India, 1923-4, Adviser and delegate, International Labour Conferences, Geneva, 1921, 1923, 1929 and 1931, Dy Secretary to Government of India, Department of Industries and Labour, 1924-27, Member, Legislative Assembly, 1923, 1925-27, 1932-33, Member Council of State 1928-29 and 1932-33, Member Royal Commission on Labour in India, 1929-31. *Publications* The Indian Workmen's Compensation Act (1924), Indian Factory Legislation a Historical Survey (1927), The State and Industry, (1928), etc. *Address* 2 York Place, New Delhi
- COLLINS, GODFREY FERDINANDO STRATFORD M A, O B E (1919) C I E (1931), I C S, Collector and District Magte, Karachi *b* 3rd November 1888 *m* Joyce, *d* of G Turville Brown, Esq. *Educ* Chatterhouse and Christ Church Oxford Asstt Collector, 1912, on Military Duty, 1916-18, Dy Director of Civil Supplies, 1919 Forest Settlement Officer, 1920-22, Revenue Settlement Officer, 1924-26, Deputy Secretary, Finance Department, 1925-1926 Registrar Co-operative Societies, 1926-27, Collector and District Magistrate, 1923-1926 and 1928-1929, Home Secretary, 1929-31. *Address* Gundry & Co Bombay
- COLSON, LIONEL HLWITT, C I E (1931) King's Police Medal (1916) Commissioner of Police, Calcutta *b* May 24, 1887 *m* Isabel A Denham, *d* of I D nham, Esq. Indian Educational service (retired) *Educ* Victoria College, Jersey. *Address* 2 Kyd Street, Calcutta
- COLVIN, GEORGE LETHBRIDGE, C B (1919), C M G (1918), D S O (1916); Commandatore of the Order of St Maurice and St Lazarus, (Italy) 1920, A D C to H M King (1928) Agent, East Indian Railway *b* 27 March 1878 *m* Katherine Mylne, *d* of James Mylne of Edinburgh *Educ* Westminster Joined E I Railway, 1898, served in Army (France and Italy) during war, 1914-1919, Hon Brigadier-General in Arm Director of Development Ministry of Transport, London, from 1919 to 1921 Rejoined E I Ry in 1921 as Agent. *Address* Bengal Club Calcutta
- CONNOR, COL SIR FRANK POWELL Kt (1926), D S O, F R C S, V H S, I M S, A D M S, Bombay Dist. Late Professor of Surgery, Medical College, Calcutta *b* 1877, *m* Grace Ellen Lees, *d* of late I. O Lees *Educ* St Bartholomew's Hospital London Indian Army, Civil in Bengal, War service in France and Mesopotamia (mentioned in Despatches four times), D S O, Brevet Lieut Colonel), Consulting Surgeon, Mesopotamia
- Expeditionary Force. *Publications* Surgeon in the Tropics (Churchill) Chapters on "Surgery in the Tropics" in (1) Rose and Carless Manual of Surgery and (2) Nelson's Loose Leaf Surgery, and various surgical articles in Medical Journals. *Address* 3, Henckel Drive, Colaba, Bombay
- CONTRACTOR, MISS NAVAJIBI DORABJI, B A, T P, Hon Presidency Magistrate, Member of the Committee of Visitors for the Cama and Allbless Hospitals, Indv Superintendent Chundri Ramji High Girls School Bombay. *Educ* Wilson College, Bombay First Indian Indv Fellow in Arts in the Bombay University (1922), an extensive traveller throughout India, Burma and Ceylon, and in China, Japan, and United States of America and educational tours in 1921 and 1932 through principal Cities of England France, Germany, Italy, Spain, Austria and Norway. *Publications* Contributions on topical, educational and social subjects in English and Gujarati in periodicals and newspapers published in Bombay. *Address* Hardinge House, Gowda Tank Road, Bombay
- COPPEL, RT REV FRANCIS STEPHEN, Kntsr I Hind Gold Medal (1924), R C, Bishop of Nagpur, since 1907 *b* Ies Getr Savor, 5 Jan 1867 *Educ* College of Evisa, University of France, Lyons, B A, B Sc Entered Congregation of Missionaries of St Francis de Sales, Annecy, Priest, 1890, sent to India for mission of Nagpur, 1892 for fifteen years attached to St Francis de Sales College, Nagpur, as professor and principal. *Address* Nagpur
- COPPINGER, MAJOR-GENERAL WALTER VALENTINE M D (Dublin), F R C S I, D S O (1917), C I E (1930), Surgeon General with Government of Bengal *b* 1875 *m* Miss M M O Kelly *Educ* Belvedere School, Dublin and T C Dublin Civil Surgeon Bengal, 1903, Prof of Ophthalmic Surgery, Medical College, Calcutta, 1919-1929 Inspector General of Civil Hospitals, Central Provinces, 1929-1931. *Address* Writers Buildings, Calcutta
- CORBITT, GLOIRIA LATHAM, M A (Oxon), C I E (1921), Joint Secretary, Commerce Department, Government of India *b* 9 Feb 1881 *m* Gladys Kate *d* of late George Bennett, Esq, Little Rissington Manor, Glos. *Educ* Bromsgrove School, Hertford Coll, Oxford, 1st Class Hon Mods (1902), 1st Class Lit Hum (1904) Passed into I C S 1904, Asstt Commissioner, C P, 1905-09 Settlement Officer, Sargor, 1910-16, Dy Commissioner, C P, 1916-18 Dir of Industries and Dy Secretary, C P, 1918, Dy Secretary Com Depart, Government of India, 1919-21, on deputation, South and East Africa, 1920 Washington Disarmament Conference 1921 Fiji Islands 1922, Director of Industries and Registrar, Co-operative Credit Societies C P, 1923 Offg Secretary, Commerce Department Government of India, 1923-24. *Address* Commerce Department, Government of India Delhi and Simla
- COSGRAVE, WILLIAM ALEXANDER, B A, (Dublin), C I E (1931), Indian Civil Service Commissioner, Assam Valley Division (1932)

CHHATARI, HIS EXCELLENCY CAPTAIN NAWAB SIR MUHAMMAD AHMAD SAID KHAN, K C S I (1933), K C I E (1928), M B E (1918), *b* 12th December 1888 *m to d* of his uncle Nawab Bahadur Abdus Samad Khan of Talib nagar, (Aligarh), U P *Educ* M A O College, Aligarh President, All-India Muslim Rajput Conference, 1923, Member, U P Legislative Council, 1920-25, First elected non-official Chairman, District Board, Bulandshahr, 1922-23, Minister of Industries, U P 1923-25, Home Member, U P, 1926-1933, Ag Governor U P June 1928-August 1928, Member, 1st and 2nd London Round Table Conferences, 1930 and 1931, appointed Governor of United Provinces, 6th April, 1933 *Address* Secretariat, United Provinces

CHIDAMBARAM CHETTYAR, M Ct M, Banker *b* 2nd August 1908 *m C* Valliammai *Educ* Madras Christian Coll, President, Sir M C T Muthiah Chettyar's High School, Purasawalkum, Madras Director, The Indian Bank Ltd, 'Littles' Oriental Balm and Pharmaceuticals Ltd, Madras, Madras City Co-operative Bank Ltd, Madras Chairman, United Life Assurance Co., Ltd, Madras, Trustee Monegar Choultry and other connected Trusts Madras Port Trust Board, Hindu High School Triplicane, Hindu Theological High School, Madras, Member, South India Chamber of Commerce, Madras Chamber of Commerce, Madras, Member, Madras Rice Club, Gymkhana Club, Madras, Flying Club Cosmopolitan Club, National Liberal Club, London Automobile Association of Southern India, Madras *Address* "Bedford House," Vepery, Madras

CHINOY, SULTAN MEHERALLY, J P, and Hon Magistrate, Merchant, Managing Director in the firm of F M Chino & Co, Ltd, *b* 16th February 1885, *m* Miss Sherbanoo Luthabhoy Ibrahim *Educ* Bharda New High School and Elphinstone College Founded the well-known firm of Automobile Distributors and Engineers, the Bombay Garage, now situated at Meher Buildings, Bandstand, Chowpatty Mainly responsible for the Wireless Industry in India, Director of the Indian Radio and Cable Communications Co, Ltd *Address* Carmichael Road, Cumballa Hill, Bombay

CHINTAMANI, CHIRRAVOORI YAJNESWARA, Chief Editor of *The Leader* of Allahabad *b* 10 April 1880, *m* Srimati Krishnavenema, *Educ* Maharaja's College, Vizianagram, Editor of *The Leader*, Allahabad, 1909-20, Member, U P Legislative Council, 1916-1923, and again since 1927 Delegate of the Liberal Party to England 1919, General Secretary, National Liberal Federation of India, 1918-20 and 1923-29, President, *ibid*, 1920 and 1931, Minister of Education and Industries, U P, 1921-23, Member, Indian Round Table Conference, and Indian Franchise Committee, President, U P Liberal Association *Publications* Indian Social Reform, 1901, Speeches and writings of Sir Pherozeshah Mehta, 1904 *Address* Gauri Nivas, 17, Hamilton Road, Allahabad

CHITRE, ATMARAM ANANT, LL B Advocate (O S), J P, Chief Judge, Presidency Court of Small Causes, Bombay *b* 17 May 1877

Educ Wilson College and Govt Law School, Bombay Practised as an Advocate on the Original Side of the High Court from 1907 to 1916 acted as Chief Judge 1916-17, confirmed as Chief Judge Dec 1928 *Address* Laburnum Road, New Gamdevi, Bombay

CHOKSY, THE HON'BLE SIR NASARVANJI HORMASJI, Kt (1929) C I E, 1922, Member, Council of State, 1933, Khan Bahadur (1897), Chevalier of the Crown of Italy (1899), Medallist of the Epidemio Republique Francaise (1906), M D (Hon Causa), Freiburg, F C P S (Bombay), L M & S (Bombay 1884), Member, Bombay Medical Council, 1912-1932, ex-President, College of Physicians and Surgeons, and Bombay Medical Union Hon Secretary, Governor's Hospital Fund for Bombay and the British Empire Leprosy Relief Association, Bombay Presidency Branch Chairman, Sanitary Committee, Back Bay Reclamation Scheme *b* 7 Oct 1861, *m* Serenbai Maneckjee Jhaveri, *Educ* Elphinstone High School and Grant Medical College, Medical Superintendent, Acworth Leper Asylum, 1890-97, Medical Superintendent of Arthur Road, Plague and Infectious Diseases Hospital (1888-1921), and Maratha Plague Hospital (1902-1921) *Publications* Numerous publications on Plague, Cholera Relapsing Fever, Leprosy, Special reports connected with these subjects, etc *Address* Nepean Sea Road, Malabar Hill, Bombay

CLARKE, WALTER DOUGLAS MONTGOMERY, H M Trade Commissioner, Bombay *b* 3rd March, 1890, *m* Jocelyn, *d* of late J E Baker, Esq, Christ Church, N Z two daughters *Educ* High School, Kelso and Trinity College, Glenalmond In business in Burma and India, 1911-1921, joined Indian Army Reserve of Officers, 1915, served with 38th Dogras, Mohmand campaign, 1915-16, appointed Asst Cable Censor, Madras, 1916, and Deputy Controller (Hides), Indian Munitions Board, Bombay, 1918-19, Hon Secretary, Cochin Chamber of Commerce and Member, Cochin Harbour 'ad hoc' Committee, 1921 *Address* Somerset Cottage, Warden Road, Bombay

CLAY, JOSEPH MILES, B A (Oxon), C I E (1925), I C S, Chief Secretary to Government United Provinces *b* 6 September 1881, *m* Edith Marguerite Florence, *d* of E T Hall, F R I B A, of Dulwich *Educ* Winchester College, New College, Oxford Entered I C S in 1905, Under-Secretary to Government, 1911-13, Dy Commissioner, Garhwal, 1931-20, Magistrate and Collector, Cawnpore, 1921-25, Dy Commissioner, Naini Tal, 1925-28, Secretary to Government 1929-31, Chief Secretary since 1931 *Address* Lucknow

CLAYTON HUGH BYARD, C I E (1924), I C S Commissioner, Central Division, Poona *b* 24 Dec 1877 *m* Annie Blanch Nepean *Educ* St Paul's School, Wadham College Oxford, 1st Class Hon Mods 1st Class Lit Hum Came to India 1901, served in Bombay Presidency, employed in Military Intelligence Branch of War Office, 1914-19 Municipal Commissioner 1919-1928 Chairman, Haj Enquiry Committee, 1929-30, Member, Council of State, 1929-30 *Address* 21, Queen's Gardens, Poona

DAS, BRAJA SUNDAR, B A, Member, Legis
Assembly, Zamindar and Proprietor of a
press and cultivation b July 1880 m.
to Uma Sundari, 4th d of Rai Sudam Charn

- b 6 April 1879 m, Maude Elizabeth, d of late C E Gule Esq of Cheltenham *Educ* Shrewsbury and Trinity College Dublin, Came to India 1903 and served in Pibai District Bengal and Assam, transferred to Assam 1912, Political Agent in Manipur, 1917-20, Deputy Commissioner, Imphal, 1920-24, Official representative of Govt of Assam on Indian Legislative Assembly in several sessions between 1925-32, Chief Secretary to Government of Assam, 1930-31 and 1932-33 *Address* Commissioner's House, Gauhati, Assam
- COTELINGAM, JOHN PRACASA RAO, M A, F M U**, Retired Principal of Wardlaw College Bellary 1891-1918 b 9th Dec 1860 m Miss Padmanji, d of the Rev Babu Padmanaji of Bombay *Educ* Madras Christian Coll Asstt Master London Mission High School, Madras Headmaster, Wesley Coll, Principal, Hindu Coll, Cuddalore, 1889-1891, Member Bellary Dist Board and Taluk Board since 1895, Vice-Presdt, Dist Board 1901-4, Member, Bellary Municipal Council since 1893, Presdt, District Educational Council Bellary, 1921-24 Represented Indian Christian Community and Madras Presidency on the Legislative Assembly, 1921-23 *Address* Rock Cottage Bellary
- COTTERELL, CECIL BERNARD, C S I (1933), C I E, I C S** Member, Board of Revenue, Madras, 1928 m 1922 *Educ* St Peter's School, York, Balliol College, Oxford Entered I C S, 1898, has served in the Madras Presidency, since 1899, Deputy Commissioner Salt and Abkari Dept, 1905, Private Sec to Governor of Madras 1912-15 Secretary to Government, 1925-28, Commissioner of May 1930 First Excise Ag Chief Secretary to Government, Member, Board of Revenue, August 1932 *Address* Madras
- COUBROUGH, ANTHONY CATEGART, C B E (1918), M A B Sc C E, M I E E, M I M E C H E, M I E (Ind)** Director, Messrs Mather and Platt, Ltd b 10th Feb 1877 *Educ* Glasgow University Joined Mather and Platt, Ltd in 1898 as apprentice, subsequently became General Manager, Electrical Department and in that capacity travelled widely on the Continent went to India and South Africa and eventually returned to India to establish Mather and Platt's own office in Calcutta, Bombay and other centres for the control of their business from Mesopotamia to the Straits has travelled in China, Japan, United States of America, Australia and Egypt During war services were lent to Govt of India, under Munitions Board, was Controller of Priority and latterly Controller of Munitions Manufacture *Publication* Pamphlets on Technical and Economic subjects *Address* 7 Hare Street, Calcutta
- COUSINS, JAMES HENRY**, Doctor of Literature of Keiojyuku University, Japan, (1922), m Margaret E Cousins, B Mus J P (1903) *Educ* at various schools, in Ireland and partly in Trinity College, Dublin (Teachers Course), Private Secretary to Lord Mayor of Belfast, Asstt Master, Belfast Mercantile Academy, Asstt Master, High School, Dublin, Reporter to Royal Academy of Medicine in Ireland Demonstrator in Geography and Geology, Summer Course, Royal Col of Science, Ireland, Asstt Editor "New India," Madras. Principal, Theosophical College, Madras 1916-1921, Fellow and Prof of English National University, Adyar, Principal Brhadma dya Ashram (School of International Culture), Adyar, Madras, University Extension and Post Graduate Lecturer, Calcutta University, Benares Hindu University, Mysore University, Visiting Lecturer Tazores Vissa Bharati Bengal, Travelling Lectures, America, 1928-31, Special Lecturer in English Poetry in the College of the City of New York, 1931-32, again Principal, Theosophical College, Madras 1932, a co-founder of the Irish Literary and Dramatic Revival (1900, etc.), poet, dramatist, critic educationist, philosopher *Publications* (Prose) A text book of Modern Geography The Wisdom of the West, The Pises of Theosophy, The Renaissance in India The Kingdom of Youth, Footsteps of Freedom, New Ways in English Literature, Asia, The Play of Brahmi, Work and Worship The New Japan, The Philosophy of Beauty, Heathen Essays, Samadrasana, The Work Prometheus, (Poetry) Ben Madhigan, Sung by Sir The Blessed King, The Voice of One, The Awakening, The Bell Branch, From the Beloved, Straight and Crooked - The Garland of Life Ode to Truth, Mounted Leathers, The King's Wife (drama) Search, Surya Gita, Forest Meditation, Above the Rainbow, A Libetan Banner, The Shrine, The Guide, A Wandering Harp (Collected Edition) *Address* Theosophical College, Madras 1932, Madras Presidency
- COYAJEL, SIR TEHANGIR COOVRJEE, KT**, Professor of Political Economy and Philosophy Andhra University, b 11 Sept 1875, s of late Cooverjee Coyajee, Rajkot *Educ* Elphinstone College, Bombay, and Caius College Cambridge Later Member Royal Commissions on the Indian Tariff and Indian Currency, Member of Council of State, 1930, Delegate to the Assembly of League of Nations, Geneva, 1930-1932, Principal, Presidency College, 1930-31, Correspondent, Royal Economic Society *Publications* The Indian Fiscal Problem, Indian Currency and Exchange, The Indian Currency System "India and the League of Nations", "The Economic Depression" *Address* Andhra University, Waltair
- CRAIK, SIR HENRY DUFFIELD Bt B A (Oxon)**, C S I (1924), K C S I (1933) Home Member designate, Government of India b 2nd January 1876 *Educ* Eton and Pembroke Coll, Oxford Joined I C S 1899 and served in the Punjab and with the Government of India in various capacities since then Succeeded to baronetcy, 1929 Finance Member, Govt of the Punjab, appointed Home Member, Govt of India April 1934 *Address* Simla and Delhi
- CUNNINGHAM, SIR CHARLES BANKS, Kt 1933**, Police Medal (Jan 1929), C S I, Jan 1931 King's Inspector General of Police, Madras b 8 May 1884 m Grace Macnish, d of Hugh Macnish, 1912 *Educ* Campbelltown Grammar School Asst Superintendent of Police, Madras Presidency, 1904, Supdt of Police, 1909, Dy Commissioner of Police, Madras, 1910, Commissioner of Police, Travancore, 1915-1921, Dy Inspector-General of Police, Jan 1928, Commissioner of Police, Madras, May 1928, Inspector-General of

1907 in Karachi. Was Diwan of Mungrol State in Kithurwar (1908-1912) and Wazir of Palampur State in Gujarat (1911-21). Acted as Judge of the Small Causes Court Bombay, (1913). Was elected to the Bombay Council from the Northern Division and was appointed Minister for Agriculture (1921-27). Was President of the 10th Presidency Muslim Educational Conference held in Poona. Was President of the first Mahomedan Educational Conference in Konkan held at Kutchadi in 1926. Was elected again to the Bombay Council in 1927 and was elected as the President of the Council in the same year (1927-1930). Was elected again at the last general election from the same Mahomedan Constituency of Gujarat, and was again re-elected unanimously as President of the Council in 1931. *Publications* History and Origin of Polo (Article), Mendicancy in India (Brochure). *Address* Sudar House, Surat.

DENHAM WHITE ARTHUR IT COL, I M S, F I B B S (Hons.), Lond 1901, M R C S, L R C P (Eng) 1903. I R C S, Civil Surgeon, Alipore Calcutta *b* Feb 26, 1879 *m* B Gratton Geary (nee Davis). *Educ* Malvern College and St Bartholomew Hospital, Gold Medalist Netley. Entered I M S, 1905. Resident Surgeon, Medical College Hospital, Calcutta, also Eden Hospital and Presidency General Hospital, active service in Mesopotamia 1916-18. Offg Professor of Surgery Medical Course in 1922. Civil Surgeon, Darjeeling 1919-1922, Civil Surgeon, Alipore, 1923. *Publications* Monograph on delayed Chloroform Poisoning. Monograph on Toxic Effects of Organic Arsenic. *Address* 25, Alipore Park, Calcutta.

DENNING, HOWARD Sir, B A (Cantab), C I E, I C S, Additional Secretary to the Govt of India, Finance Department *b* 20 May 1885 *m* Margery Katherine Wemyss Browne. *Educ* Clifton College and Caius College Cambridge, 10th Wrangler Indian Civil Service Assistant Collector, Bombay Presidency, Under Secretary, Finance Department of India, Joint Secretary of Babington Smith Currency Commission, Deputy Controller of the Currency, Bombay, and Controller of the Currency. *Address* Imperial Secretariat, New Delhi.

DESAI, NICHABHAI KALLIANJI, B A, LL B, Dewan, Sant State *b* 19 July 1875 *m* A S Ichhabai. *Educ* Anglo Vernacular School, Bulsar, The New High School, Bombay, Elphinstone College, and Govt Law College, Bombay. Mathematics teacher Cathedral Boys High School, Bombay, High Court Pleader, Bombay, Nayadhi, Sant State, 1904 to 1912, Dewan Sant State, since 1912. Has received certificate of merit for assisting in War Loan of 1917. *Publications* Administration reports of Sant State. *Address* Bulsar and Santrapur, Gujarat.

DESAI, RAMRAO PILAJI, J P *b* 18 March 1876, *m* to Lambu, eldest *d* of the late N L Mankar, once Chief Translator, Bombay High Court. *Educ* Elphinstone High

School and Wilson College. Joined the Municipal Commissioners Office in 1899 subsequently taken up as an Asstt in the Municipal Corporation Office where he rose to be Municipal Secretary to which he was appointed in January 1925. Retired from 1st April 1931. *Address* "The Dawn", Bombay Improvement Trust Dadar Matunga Estate, Plot No 107 (South), Bombay.

DESHMUKH, GOPAL VINAYAK, L M & S (Bombay), I R C S (Eng), M D (Lond) Consulting Surgeon and Physician *b* 4th Jan 1881 *m* Annapurnabai, *d* of Deshmukh of Wun Idue. Morris Coll, Nagpur, Grant Medical College, Bombay, King's College and the London Hospital Medical College, London. House Surgeon to Jordan Lloyd, Professor of Surgery in Univ of Birmingham at Queen's Hospital. Hon Major at Lady Hardinge Hospital during war and Surgeon at J T Hospital and Professor of Operative Surgery at Grant Medical College (1920), Professor of Surgery at Government's Sunderdas Medical College and Hon Surgeon at King Edward Hospital, Member, Bombay Municipal Corporation from 1922 and President, Bombay Municipal Corporation, 1928. *Publications* Some papers on Abdominal Surgery, publications on Social Reform, Improving the Position and Status of Hindu Women. *Address* Chaurpati, Bombay.

DESHMUKH, RAMRAO MADHARAO, B A, LL B, Bar at Law, *b* 25 November 1892 *m* Shashikala Raje, *d* of late Sardar Kadam of Gwalior. *Educ* at Cambridge. President, All India Maratha Conference, Belgaum, 1917 practised at Amravati in 1918 and at Nagpur, 1919-20. elected to C P Legislative Council in 1920 for Amravati West Constituency. elected to All India Congress Committee in 1921, elected to Legislative Council in 1923, as Swarajist, President of the Maharashtra Conference at Satara in 1925, elected first Chairman of District Council, Amravati, 1925, resigned his membership of the Legislative Council in October 1925, elected to the Legislative Assembly in February 1926, elected to the C P Council for Amravati Central Constituency as Responsivist in November 1926. Minister to C P Government, 1927-1928. Resigned the Ministry in August 1928, took office again in August 1929. Resigned Ministership in July 1930 in consequence of Berar Responsivist Party joining Forest Satyagraha. Lost his seat in 1930 elections owing Congress opposition. Started agitation for constituting Berar as a distinct unit of the Indian Federation in May 1931. President of the Berar Nationalist Party, 1932. Witness before Joint Parliamentary Committee with Hindu Mahasabha deputation in charge of Berar question, Delegate to England for Berar All-Party Committee to represent the Berar case before the Secretary of State for India, 1933, President, Maharashtra Conference 1933. *Address* Morsi Road, Amravati (Berar).

DESHMUKH, THE HON'BLE DR P S, M A, (Fdin), D Phil (Oxon), Barrister at Law, Minister for Education Central Provinces *b* December 1898, *Educ* Fergusson College,

Naik Bahadur Educ Ravenshaw Coll and Presidency Coll, Calcutta Took part in Utkal Union Conference since its beginning in 1904 and Secy for two years, Vice-President, Utkal Sahitya Samaj, President, Oriya Peoples' Association, Vice-President, Orissa Assocn, and Ramkrishna Sevak Samaj, was President of Central Youngmen's Association, Member, Sakshigopa Temple Committee, was Member of Cuttack Municipality and District Board, Member, Bihar and Orissa Council, 1916-1920 Fellow of Patna University and member of the Syndicate *Publications* Editor of the Oriya Monthly *Mukun* and of the only English Weekly in Orissa "The Oriya" *Address* Cuttack.

DAS, MAJOR-GENERAL RAI BAHADUR DEWAN BISHAN, CIE, CSI b Jan 1865 *Educ* at Punjab Government College, Lahore, Private Secretary to Raja Sir Ramsingh, K C B, 1880-1898, Milly Secy to the Com-in-Chief, Jammu and Kashmir 1898-1909, Milly Secy to H H the Maharaja, 1909-14, Home Minister to H H, the Maharaja, 1914-18, Rev Minister, 1918-1921 and Chief Minister March 1921 April 1922 Retired from Service *Address* Jammu and Kashmir

DAS, MADHU SUDAN, CIE b 28 April 1848 *Educ* Calcutta University M A, B L, M R A S, F N B A Represented Orissa in Bengal Legislative Council four times, Fellow of Calcutta University, elected by Legislative Council of Bihar and Orissa to Imperial Council, 1913 nominated to Legislative Council of Bihar and Orissa Minister (Local Self-Government), Bihar and Orissa since Jan 1921, elected by Municipalities of Orissa to his present seat in Bihar and Orissa Legislative Council Is the proprietor of Utkal Tannery and of the Orissa Art Wares Ex-President of All-India Indian Christian Conference, was first Minister of Local Self-Government in Bihar and Orissa, resigned office two years later Advocate, Patna High Court *Address* Cuttack, B N Ry

DAS, PANDIT NILAKANTHA, M A, writer of books for children on new lines b August, 1884 m Srimati Radhmani Devi (1905) *Educ* Puri Zilla School, Ravenshaw College, Cuttack and Scottish Churches College, Calcutta Founded with Pt Gopabandhu Das and others the residential open air private school at Satyabadi on a new line, was Resident Head Master there for 8 years, worked in connection with Puri Famine in 1919, appointed by Calcutta University for Post Graduate Professorship in 1920. Started Congress organisation and a National High School at Sambalpur and edited *The Seba* in 1921, became Dist Congress Secretary, Puri, and Prov Congress President, Utkal, 1922 Imprisoned for four months and fined Rs 200 in 1923, elected to the Assembly from Orissa in 1924, and again in 1927, made Secretary, Utkal Provincial Congress and President, Utkal All-Party Conference, President, Gopabandhu Sevak Samaj Elected Chairman, Reception Committee, I N Congress, Puri Session *Publications* *Pranayini* (a kavya in six cantos), *Konarke* (a long poem kavya), *Mayadebi* (a kavya in 6 cantos),

Kharabeli (a historical kavya in 25 cantos), *Dasa Navak* (a long poem kavya), *Aryajiban* (Aryan life, a critical treatise on Aryan civilisation), many other books for children *Address* P O Sakshigopal, Dist Puri (Orissa)

DAS, THE HON MR JUSTICE PROFULLA RANJAN, Judge, High Court, Patna, 1919. b 28 April, 1881 *Educ* St Xavier's College, Calcutta m Dorothy Mary Evans, 1904 *Address* All Manzil, Patna

DASTUR, SIR HORMAZDYAR PHIROZE, KT, (1933), B A, LL B, Barr-at-Law, Chief Presidency Magistrate, Bombay b 20th March 1878 m Bachubai Edalji Dastur *Educ* St Xavier's College Acted as Taving Master, Clerk of the Crown, High Court *Address* The Grange, 21, Wodehouse Road, Bombay

DAVISON, DEXTER HARRISON, Doctor of Dental Surgery b 29 Sept 1869 m Margaret St Clair *Educ* Chicago University *Address* Lansdowne House, Lansdowne Road, Argyle Bunder, Bombay

DE, GLANVILLE, SIR OSCAR JAMES LARDNER, Kt (1931), CIE (1925), Barrister-at-Law, President, Burma Legislative Council, Governing Director, *Rangoon Daily News*, Member, Burma Legislative Council *Address* Rangoon, Burma

DE, KIRAN CHANDRA, A B, CIE, ICS b Calcutta, 19 January 1871 *Educ* Presidency College, Calcutta, St John's College, Cambridge Registrar of Co-operative Societies, also Fishery Officer, 1905 Magistrate-Collector, Rangpur, 1911, Member of Bengal District Administration Committee, 1913, Press Censor, Bengal, 1914 Secretary to Government to Bengal General Dept 1915, Commissioner of Chittagong Division, 1916-21, Member of the Legislative Council of the Governor-General of India, 1920, Commissioner of Burdwan Division, 1922, Commissioner, Presidency Division, 1923, Member of the Board of Revenue, Bengal, 1924-28, Member of the Council of State, 1928 retired from Indian Civil Service, Dec 1928, Chairman, Bengal Banking Inquiry Committee from August 1, 1929, to May 1930 Government Manager of the estate of the Nawab Bahadur of Murshidabad from June 1931 *Address* 1, Dumdum Road, Cossipore, Calcutta, Brookside, Shillong

DEHLAVI, THE HON SIR ALI MAHOMED KHAN, J P, Kt (1931), Barr-at-Law (1896) President, Bombay Legislative Council b 1875 *Educ* Bombay and London Practised in Gujarat (1896-1900) and Sind (1900-1908) Started the first Anglo Sindhi paper called "*Al Haq*" in Sind in the interests of the Zamindars in 1900, and edited it for three years Organised the first Muslims Educational Conference in Hyderabad, Sind, in 1902 and was the local Secretary of the All-India Muslim Educational Conference invited to Karachi in 1907 as a result submitted the first non official report to Government, on Education of Mahomedans in Sind Was the Chairman of the Reception Committee which launched the All-India Muslim League for the first time in India in

Bahadur Was a member of Indian Students' Advisory Committee for Rajputana and Ajmer Merwara, was also President of a Soldiers' Board in Bharatpur *Address* Bharatpur

DHURANDHAR, RAO BAHADUR MAHADEV VISHWANATH, A M b 14th March 1871 m Gangubai, 4th daughter of Madhavrao T Rao *Educ* Rajaram High School, Kolhapur, and at the Sir J J School of Art, Bombay. Appointed as a painting master on the staff of the School of Art, then as Head Master in 1909 to 1918. Acted as Inspector of Drawing and Craft Work, Bombay Presidency, in 1918 and 1919 and again in 1920 and in 1923 Retired as Personal Assistant to the Principal, Sir J J School of Art, Bombay, in March 1928 and was reappointed as Visiting Professor of Painting, Acted as Officiating Director of the Sir J J School of Art in 1930. Reappointed as Inspector of Drawing and Craft Work, Bombay Presidency, and retired in December 1931, was selected to decorate the Hon Jawahar's room Imperial Secretariat, New Delhi. *Publications* A Kincaid's (1) "Deccan Nursery Tales," (2) Stories of King Vikram" S M Edwards' (ICS) "By ways of Bombay" Otto Rothfeld's, (ICS) "Women of India" and several other Marathi, Gujarathi, Hindi and Mythological books for Messrs Macmillan & Co, Oxford University Press, Longmans Green & Co, and several other Indian publishing firms. *Address* "Shree Amba Sadan," Prabhu Nagar, Khar, Bombay, No 21

DICK, GEORGE PARIS, C I E, 1916, Bar at-Law, Member of C P Legislative Council, 1921, and of each preceding Council, Govt Advocate, C P b 1866 m Effie Geraldine Newman *Educ* Dulwich College, called to Bar, Middle Temple, 1889, Advocate of Calcutta High Court, 1893, of the Judicial Commissioner Court, Nagpur, 1891, Lecturer in Law to the Morris College, Nagpur until 1921, President, New English High School and President, Nagpur Civil Station Municipal Council for years, Member of the Legislative Council before the Reforms and continuously to date. *Publication* Fitch and His Fortunes *Address* Nagpur, C P

DIGBY-BESTE, HENRY ALOYSIUS B, O B E (1919), C I E (1931), Captain, Superintendent, M M T S Dufferin b November 5th, 1888 m Olive Hume Henderson, d of Col W Hume Henderson I M S *Educ* Stonyhurst College, Lancs, England Went to sea in Merchant Service, 1899, joined R I M as Sub Lieut, February 5th 1903, service afloat till 1914, war service in H M S Lawrence, Mesopotamia, transferred to Staff Central Headquarters, Bombay, and served as Divisional Naval Transport Officer up to 1921, served afloat in command of R I M S Dufferin and Clive, 1923, Deputation to England, 1924, Deputy Conservator, Madras, 1925-26, Port Officer, Bombay, 1927, Captain Superintendent, T M M T S Dufferin, since November 1927. *Publication* Drafted Government of India Sea Transport Regulation *Address* I M M T S Dufferin, Mazagon Pier, Bombay 10

DINATIPUR, THE HON'BLE JUDICIAL MAGISTRATE MAHAJAN JAGADISH NATH RAY BAHADUR b 1891, by adoption to Mahiraja Sir Girija Nath Ray Bahadur, K C I L m 1916 *Educ* Presidency College, Calcutta President, Dinajpur Landholders' Association, late Chairman, District Board and Municipality, Dinajpur, Member, Council of State, British Indian Association, Bengal, Landholders' Association, Asiatic Society of Bengal, East India Association London, Calcutta Literary Society, North Bengal Zamindars' Association, Bangla Sahitya Parishat, Road and Transport Development Association Received Victoria Commission in Jan 1921. *Address* Dinajpur Rajbati, Dinajpur, 226, Lower Circular Road, Calcutta, Council of State, Delhi and Sind

DINSHAW, SH HORMUSJI COWASJI, Kt, cr 1922, O B L 1918, M V O 1912, senior partner in Cowasjee Dinshaw & Bros, Merchants, Naval Agents, Shipping Agents, and Ship Owners, Consul for Portugal and Consul for Austria Republic, b 4 April 1857, es of late Cowasjee Dinshaw, C I L m 1875, Bai Vaneekbai, d of Nusserwanjee Cooverjee Irskani three s one d *Educ* Elphinstone High School and Elphinstone College, evening classes King's College, London Served apprenticeship with James Barber and Son & Co, London and Leopold Baum & Sons Paris, joined his father's firm, 1879, acted as Trustee of the Port of Aden since 1891, head of the Parsi Community of Aden since 1900, acted as a member to the Aden Port Commission, 1901, presented an address from the different communities of Aden to King George and Queen Mary on their way to India, represented Aden Chamber of Commerce at the fifth International Congress, Boston, 1912. *Address* Steamer Point, Aden

DORNAKAL, BISHOP OF, since 1912, RT REV VIDANAYAKAM SAMUEL AZARIAN, 1st Indian bishop, Hon LL D (Cantab), b 17 Aug 1874 *Educ* C M S High School, Mengnanapuram, C M S College, Tinnevely, Madras Christian College One of founders of Indian Missionary Society of Tinnevely, 1903, Hon Secretary, 1903-9, Hon Gen Secretary of National Missionary Society of India, 1906-9, visited Japan as Delegate of World Student Christian Federation, 1907, and its Vice-President, 1909-11, visited England as Delegate to World's Missionary Conference, 1910, Head of Dornakal Mission, 1909-12. *Publications* Holy Baptism, Confirmation, First Corinthians, India and Missions The Acts of the Apostles, The Life of Christ according to St Mark Christ in the Indian Villages *Address* Dornakal Singareni Collieries, Deccan

DOW, HUGH, C I E, (1932), Revenue Officer, Lloyd Bridge Scheme, Sind b 1886 m Ann, d of James Sheffield, 1913 *Educ* Aske's Hatcham School and Univ Coll, London Entered ICS 1909 and served as Asst Coll in Sind Municipal Commr for Surat 1916-18, Asst Commr in Sind for Civil Supplies and Recruiting 1918-20, and Deputy Controller of Princes Deputy Secretary, Finance Department, Bombay, 1921, Ag Secretary, Finance Department,

Poona and took M A (Hons) at Edinburgh. Won the Vans Dunlop Research Scholarship in 1923. Called to the Bar in 1925 and took the degree of Doctor of Philosophy in 1926 by writing a thesis on the 'Origin and Development of Religion in Vedic Literature'. Was elected Chairman of District Council, Amroli, in 1928, increased taxation by 50 per cent for compulsory education and threw open public wells for untouchables. Elected to C P Council in 1930, appointed Minister, December 1930 and put in charge of Education and Agriculture. Reduced school fees for agriculturists, introduced Hindu Religious Endowments Bill, Cattle Disease Prevention Bill, etc. Address Nagpur, C P.

DESHPANDE, SHANTARAM RAMKRISHNA, B A, (Bom 1st Class Honours), B Litt (Oxon), Diploma in Economics and Politics and in Educational Theory and Practice (Oxon). Senior Investigator, Labour Office, Secretariat, Bombay, b 14th May 1899. m Miss Leela Raje. Educ. Elphinstone High School and Wilson College, Bombay, and University of Oxford. Appointed Senior Investigator Labour Office, 1924, offered as Director Labour Office, 1925, statistician to the Royal Commission on Indian Labour 1929. Publications: "Some Village Studies", "Some Vital Problems relating to the Bombay Working Classes" written in collaboration and published in the *Indian Journal of Economics*. "A Note on the Cotton of which the famous Dacca Muslins were made" (Published in the Bombay University Journal). Address 14th Road, Khar, Bombay 21.

DLSIKACHARIAR, DIWAN BAHADUR Sir T, B A, B L, Kt (1922), K I H (Gold) 1920, Advocate, Trichy, b Sept 1868. Educ. Pachayappa and Presidency Colleges, Madras. Has been closely identified with Municipal and Local Board Institutions, was elected Chairman of Trichinopoly Municipal Council for one term and nominated President of the District Board for three terms, President of the District Urban Bank, the National College Council, Dt. Health Assn, Discharged Prisoners Aid Society and Dt. Scouts Council, Trichinopoly. Was a nominated Member in the Madras Legislative Council for two terms and took a leading part in amending the legislation in connection with the District Municipalities Act and Local Boards Act, the Elementary Education Act and the Village Panchayat Courts Act, was a member of the Civil Justice Committee and the Malabar Tenancy Committee, President, Trichinopoly Hindu Devasthanam Committee and Chairman of the Trichinopoly Srirangam Electric Corporation. Address 'Venkata Park, Reynolds Road, Cantonment, Trichinopoly, and Enderley, Coonoor Railway Station.

DEVADHAR, GOPAL KRISHNA, M A, C I E, (Kusar-i-Hind Gold Medal in 1920), President, Servants of India Soc. b 1871. m Dwarikabai Soham of Poona (died). Educ. New English School, Poona, and Wilson College, Bombay. M A, Bombay University, 1904. Served as Principal of the Aryan Education Society's High School in Bombay, was

Examiner of the Bombay University for Matriculation and M A examinations in Marathi for more than five years. Joined the late G K Gokhale in his public work, 1904, and was first member to join Servants of India Society, 1905, awarded Kaisar-i-Hind Silver Medal in 1914. Worked as Vice-President of the Servants of India Society for 3 years since 1923 and was again re-elected Vice-President of the Society for 3 years more, has been twice elected President, Servants of India Society. He has been ever since beginning the Head of Bombay Branch. Toured in England and on the Continent in 1918 as member of Indian Press Delegation. He is the founder and Hon. Organiser and General Secretary of the Poona Seva Sadan Society, started in 1909, and now Hon. General Secretary of the National Social Conference. Presided over the Provincial Social Conference in 1920 at Sholapur and over the National Social Conference in 1924 at Lucknow. Organiser of the Malabar Relief Fund, 1921 and South Indian and Malabar Flood Relief Fund in 1924, Organised a Fund on behalf of the Servants of India Society for the relief of the flood stricken in Gujarat, Kathiwar, Brodar, Sind and Orissa in 1927, served as member of Committee on Co-operation appointed by Mysore Government 1920 and the Government of Madras in 1928. Gave evidence before the Royal Commission on Agriculture as President of the Provincial Co-operative Institute, Bombay, has worked on several Committees appointed by Government. For two years before retirement was the elected President of the Bombay Central Co-operative Institute of which for more than five years he had been Vice-President, Director, Provincial Co-operative Bank, has presided over Provincial Co-operative Conferences in almost all major provinces and Indian States, was President, First All-India Rural Representatives Conference. Has published several pamphlets on Co-operation, Female Education and Social Reform, Chairman, Executive Committee of the Deccan Agricultural Association, has undertaken 'Village Uplift Work' at Khedshivapur, fifteen miles from Poona on Mahabaleswar Road. Member of the Poona Advisory Board of the Imperial Council of Agricultural Research, Delhi and Simla, was Member of the Indian C. Committee, Chairman, of the Aryan Education Society, Bombay. In June 1927 was unanimously elected President of the Servants of India Society, Poona. Celebrated Diamond Jubilee in August 1931, when a purse of Rs 10,500 was presented to him. Address Gungum, Bombay.

DHAU BAKHSI RAGHUBIR SINGH RAO BAHADUR (1912), C I E (1925), C S I Retired President of State Council, Bharatpur b 1862. Educ. Privately. Sardar holding a hereditary jagir, Sardar's allowances, etc from the State. Entered Bharatpur State service at an early age, promoted a Member of the Council of "Panchayat" of Sardars in the time of His late Highness Maharaja Jaswant Singh Sahib Bahadur, subsequently appointed Dhau and Guardian to His late Highness Maharaja Shri Kishan Singh Sahib

September 1885 *m* Fieda Gladys Burgoyne, eldest *d* of Frederick William Burgovne-Wallace (1926) *Educ* Wilson's Grammar School and Downing College, Cambridge (Foundation Scholar) M A O College, Aligarh, U P 1908-1911, Khalsa College, Amritsar, 1914-17, Government College, Lahore, 1917 to date, Indian Munitions Board 1917, Cordite Factory, Arumukadu 1918-1921, Delegate to Imperial Education Conference (London) 1927, Special duty with Finance Department, Government of India, 1928-29, Member, Punjab Agricultural Research Council Punjab Chemical Research Fund Committee, Indian Committee of Institute of Chemistry of Great Britain and Ireland, Member of Council Indian Chemical Society, President, Chemistry Section, Indian Science Congress, 1934 *Publications* Research papers in Chemical journals *Address* Government College, Lahore, Punjab

DUTT, AMAR NATH, B A, B L, M L A, *s* of Late Mr. Durga Dass Dutt and Sumati Jugul Mohini Dutt, Advocate, Calcutta High Court *b* 19 May 1875 *m* Srmatī Tincari Ghosh, 1897, daughter, Sandhyatara, born 1902, son, Asok Nath, *b* 1906 *Educ* Salkia A S School, Howrah Ripon Collegiate School and Municipal School, Calcutta Metropolitan Institution and Presidency Coll was Chairman Local Board, Member, District Board, Secretary, People's Association, District Association, Central Co-operative Bank, Ltd, Burdwan, elected Member, Court of the University of Delhi from 1925 and Elected Member Indian Legislative Assembly from 1923 was President, Bengal Postal Conference 1926 and All India Telegraph Union 1928 and of the Shuddhi Conference 1928 and President Arya Samaj 1928-30 and was editor of monthly magazine *Alo* Member Retrenchment Committee 1931 *Address* "Kurbi Aloy," Keshabpur, P O and "Purbachal," Burdwan

DWIVEDI, RAMAGYAN, M A (Honrs.), Principal, Maharaja's College, Dhar *s* of Pt Rambhadrā Dube, Zemindar of Basti *b* 21 Nov 1902 *m* Miss Sarala Devi Misra *Educ* Govt High School, Basti and Benares Hindu University, U P Govt Scholar (1917-20), 1st Class Honours in English Literature, Gold Medalist and Scholar of the University, 1918-24 Prof of English D A V College, Cawnpore, 1924-27, Head of English Department, N R E C College, Khurja, Vice Principal, K K College, Lucknow and Principal Hindi Vidya Path College, Allahabad, Chairman, Reception Committee, All India Students Conference and Secretary, All India Poets Conference (1925), President, Board of Education, Dhar State Member, Board of Education for Central India, Rajputana and Gwalior at Ajmer, represented Dhar State as a delegate in the All India Educational Conference, 1930, Elected President, All India Arya Kumar Conference (1931) *Publications* From Dawn to Dusk Songs from Smritis, Songs from Mirabai, History of Hindi Literature, Surabhi, Sonc ki Garī (Hindi Drama), Dooj ki Chand (Hindi), Sankar ke Shikhar,

(Hindi), Padma Punj, Life and Speeches Pandit J J. Nehru, (illustrated) Publish a number of original papers on Philology, Literature, etc., in leading English and Vernacular Journals. Edited several classic Hindi books and periodicals, *Uddaya* and *Sammelan Patrika* Recreation,—billiards, tennis, and chess, hobby—stamp collecting *Address* Maharaja's College, Dhar and Villa Coma, Cptungaraj, Basti, (U P)

DYLER, JAMES FERGUSON, M A, C I E (1929), I C S President of the Council and Revenue Member, Bhopal State Joint I C S in 1902 and arrived in India in 1900 Asstt Commissioner, Registrar in the Judicial Commissioner's Court and Settlement Officer from 1903 to 1915, 3rd Secretary to the Chief Commissioner, 1916, Deputy Commissioner, 1917, Commissioner of Settlement and Director of Land Record C P, 1922, and Commissioner, 1929 *Address* Riaz Manzil, Bhopal, Central India

EASTLEY, CHARLES MORTIMER, J P, Solicitor and Notary Public *b* 2 September 1890 *m* Esme Beryl Chester Wintle *Educ* Paignton Devon, England, La Villa, Ouchy, Lausanne Switzerland, Dr F Schuller, Allee 5, Coburg, Germany, Served in the Great War from 1914-1919 as Lieut R F A (T F) in India, as a Observer and Pilot in R F C and as a Pilot in the R A F against the Mohmands of the N W F in 1916, against the Marik Baluchistan in 1917, against the Turks in Aden in 1918, against the Afghans in 1919 *Address* C/o Little & Co, Solicitors and Notaries Public, Central Bank Building Bombay

EDWARDS, THE REV JAMES FAIRBROTHER Principal, United Theological College of Western India and English Editor of the *Dnyanodaya* (or *Rise of Knowledge*) for 31 Missions *b* March 25th 1875 *m* Mrs Mary Louise Wheeler, Principal, Kindergarten Training School, *Educ* (Wesleyan) Methodist Theological College, Handsworth, Birmingham England Eight years in charge of English Churches in England, arrived in India Sep 1908, until 1914 (Wesleyan) Methodist Superintendent in Bombay, since 1914 loaned by (Wesleyan) Methodist Church to America Marathi Mission for literary and theological work, went to Poona, July 1930, to take charge of United Theological College *Publications* *The Life and Teaching of Tukaram* article on Tukaram in Vol XII of Hasting's *Encyclopaedia of Religion and Ethics* *The Holy Spirit the Christian Dynamic* four Marathi books on The Cross the Resurrection and the Holy Spirit, two Marathi Works on Tukaram, Editor since 1919 of English Section of the *Dnyanodaya*, *Taqur an Opium in India*, (reprint of Memorandum to Simon Commission, published in London) *Address* United Theological College, 7 Shopapur Road, Poona

EMERSON, H. E. SIR HERBERT WILLIAM K C S I, C I E, C B E, Governor of the Punjab, *b* 1 June 1881 *Educ* Calday Grange Grammar School, Magdalene College, Cambridge Entered Indian Civil Service, 1905, Manager

1923, Financial Advisor to P W D, 1926, Since 1927 Revenue Officer to Lloyd Barrago Scheme, Sind, Member of Sind Committee, 1932 Address Karachi, Sind

DUBEY, DORI LALL, MA (Allahabad), Ph D (London), Professor of Economics, Meerut College b Sept 1897 Educ Agri College, (1916-1922) and the London School of Economics and Political Science (1928-1930) Professor of Economics, Meerut College since 1923 Was invited by the U P Government in Jan 1931 to a Conference at Lucknow with Sir Arthur Salter, the economic expert of the League of Nations, to discuss the plan of an Economic organisations for India Member, Board of Economic Inquiry, U P, of the Editorial Board of the U P Cooperative Journal of the Committee of Courses in Economics of the Board of High Schools and Inter Education, U P and of the Executive Committee of the Indian Economic Association Served as a member of the U P Agricultural Debt Committee (1932) and submitted a note on the dangers of Land Alienation Act Has travelled widely in India and all countries of Europe except Russia and Spain and Portugal A frequent writer to the press on economic and financial questions Publications Indian Economics (1927), Revd 1932 and The Indian Public Debt with a foreword by Sir George Schuster (1930) "Some Financial and Economic Problems of India" and "R T C Financial Safeguards" (1931) Address Meerut College, Meerut

DUDHORIA, NABA KUMAR SING, g s of Rai Bahadur Buddi Singh Dudhuria of Azimganj, Zamindar and Banker, Member, Legislative Assembly b 1901 m sister of Latei Chand, present Jagat Sett of Murshadabad Educ privately Member, British Indian Association, Calcutta, Bengal National Chamber of Commerce, Calcutta, Country's League, Delhi and Simla, Bengal Landholders' Association, Calcutta, Bengal Flying Club, Dum Dum, Calcutta Club, Calcutta Address 74-1, Clive Street, Calcutta and Azimganj P O, Murshadabad District

DUFF, REGINALD JAMES, J P, Hon Presidency Magistrate, General Manager, New India Assurance Company, Ltd, Bombay b 11 July 1886 m Olive A Lockie Educ Whitgift Grammar School North British and Mercantile Insurance Co, Ltd, London and Bombay Address Royal Bombay Yacht Club, Bombay

DUGGAN, JAMSHEDJI NUSSEFWANJI, C I E, O B E, D O (Oxon), F C P S, Lt-Col, A I R O L M & S, J P, Ophthalmic Surgeon in charge, Sir C J Ophthalmic Hospital and Professor of Ophthalmology, Grant Medical College, Bombay b 8 April 1884 m Miss Parakh Educ Bombay, Oxford, Vienna and London Was Tutor in Ophthalmology, Grant Medical College, Consulting Ophthalmic Surgeon to War Hospitals and Ophthalmic Surgeon, Parsi General Hospital, Bombay, is Private Ophthalmic Practitioner Hon Member, Ophthalmological Society of Egypt Fellow of

the Bombay University and Honorary Presidency Magistrate, Bombay Publications Papers on Spring Catarrh, Anterior Keratitis, Gonorrhoea and allied diseases of the eyes, Artificial Eye, Tropical papilla, Squint cases and Sub-Conjunctival Injections in the eye A familiar Blue group of the Salerotics, Deep infiltration Anaesthesia in Ophthalmic Operations A family of Aniridia, A case of Rhinosporidium Kinealvi, Milk Therapy in eye Diseases Intravenous injections of Mercurochrome in suppurative eye conditions, Two cases of Quinine Amblyopia with unusual Ophthalmoscopic picture Address The Lawnside, Harkness Road, Malabar Hill, Bombay

DUHR, THE REV JOSEPH, S J, Ph D, B D, Professor b March 18, 1885 Educ the Gymnasium Echternach Grand Duchy of Luxemburg, St Joseph's College, Turnhout, Belgium, Manresa House, Roehampton, London, St Mary's Hall, Stonyhurst, Imperial College, South Kensington, St Mary's Theological Seminary Kurseong, India, Gregorian University Rome, Campion Hall, Oxford, Professor at St Xavier's College, Calcutta, 1910-1915, Professor at St Xavier's College, Bombay, 1918-1921, Principal of St Xavier's College, Bombay, from 1924 to 1932 Address St Xavier's College, Cruickshank Road, Bombay

DUNI CHAND, LALA, B A, Licentiate in law, Honours in Persian and Literature (1894) Member, Legislative Assembly, Vakalat and Public Work b 1873 m Shrimati Bhagdevi Educ Forman Christian College and Oriental Coll, Lahore Practised at the bar until 1921 Entered public life and took part in various activities of the Arya Samaj since 1899, was Manager of Anglo Sanskrit High School, Amballa, from 1906-1921, Member, Managing Committee, D A V College, resumed practice in 1923, presided over All-India Sud Conference in 1917, been a member, All-India Congress Committee, since 1920, was convicted and sentenced to six months' imprisonment in 1922 under Criminal Law Amendment Act, presided over Punjab Provincial Conference held in Rohtak in 1922, was Swarajist Member of the Second Legislative Assembly, Suspended practice in 1930, Nominated Member, Working Committee of All-India Congress Committee was invited by Government to serve on the Punjab Jail Enquiry Committee in 1929 Elected President, Punjab Prov Congress Committee Aug 1930, was convicted and sentenced to six months' imprisonment under Criminal Law Amendment Act, 1930, for continuing member of the Congress Working Committee after it had been declared unlawful Address Kripa Nivas, Amballa

DUNNICLIFF, HORACE BARRATT, M A (Cantab), M A, Sc D (Dublin), F I C, I E S Vice Principal, Government College, Lahore, since 1927, Professor of Inorganic Chemistry, Punjab University since 1924, (also Fellow and Syndic) Chemical Adviser to the Central Board of Revenue, Finance Department, Government of India, since 1928 b 23

Congresses in Sweden (1910), Canada (1913), Spain (1926) South Africa (1929), President, Mining and Geological Institute of India, 1922, Vice-President, Asiatic Society of Bengal, 1931-33, President, 1933 Vice-President, Himalayan Club, 1931 and 1932, Vice President, Society of Economic Geologists, 1932 and 1933, President, Governing Body, Indian School of Mines, 1921, 1925, 1928, 1930 to date, Bigby Medal, Geological Society of India, 1921 Publications Manganese Ore Deposits of India, Memoirs, Geological Survey of India, and numerous papers on mineralogy, petrology, Ore deposits, meteorites and mineral statistics in the publications of the Geological Survey of India, the Transactions, Mining Geological Institute of India, the Journal, Asiatic Society, Bengal, The Geological Magazine, and elsewhere Address Geological Survey of India, Calcutta, and Bengal United Service Club, Calcutta

FILOSE, Lt COL CLEMENT, M V O, Military Sec to Maharaja of Gwalior, since 1901, b 1853 Educ Carmelite Monastery, Clondalkin, Carlow College Entered Gwalior State service, 1872, Lt-Col, 1903, Assistant Inspector-Gen, Gwalior Police and General Inspecting Officer, 1893-97, A-D-C to the Maharaja Scindia, 1899-1901 Address Gwalior

FINLAYSON, MAJOR GENERAL, ROBERT GORDON, C B (1931), C M G (1918), D S O (1915), R A, Commanding Rawalpindi District since 1931 b 15th April, 1881 m 1912, Mary Leslie, d of late James Richmond, Kincairney, Perthshire Entered Army 1900, Captain 1908, Major 1914, Major-General 1930, served European War 1914-18 (despatches 8 times, Bt Lieut Colonel, Bt Col D S O, C M G), North Russia 1919, A D C to the King 1929-30, G S O 1 War Office, 1921-25, G S O 1 Staff College, 1925-27, C R A 3rd Division, 1927-30 Address Rawalpindi

FITZPATRICK, Sir JAMES ALEXANDER OSSORY, K C I E (1933) B A, LL B, Bar at-Law, C I E (1917), C B E (1919), Indian Civil Service, A G G Punjab States b 21st November 1879 m Ada Florence Davies Educ High School, Dublin, and Trinity Coll, Dublin Joined I C S 1903, served in various appointments on N W F P Political Agent, Tochi, 1913-1915, Deputy Commissioner, Bannu, 1915-1916, Political Agent, Wano, 1916-19, Resident in Waziristan, 1920-22, Commissioner, Ajmer, 1923, H B M's Consul in Arabistan (Persia), 1922, Revenue Minister, Bahawalpur, 1926-1927, A G G Punjab States, 1927 Active Service Tochi operations 1914-15 (mentioned in despatches), Mahsud Expedition, 1917 (despatches and received thanks of Government), Waziristan operations, 1920-1922 (despatches and thanks of Commander in Chief) Address Lahore, Punjab

IORSTER, Sir MARTIN ONSLOW, Kt 1933 Ph D (Wurzburg), D Sc (London), F I C, I R S (1905), b 1872 Educ Private

schools, Finsbury Technical College, Wurzburg Univ, Central Technical College, South Kensington Asstt Prof of Chemistry, Royal College of Science, 1902-13, Director, Salters' Institute of Industrial Chemistry, 1918-22, Director, Indian Institute of Science, Bangalore, 1922-33, Hon Secretary, Chemical Society 1904-10, Treasurer, 1915-22, Long-staff Medalist, 1915, President of Chemistry Section, British Association, 1921 President, Indian Science Congress, 1925 Publications Contributions to Transactions of the Chemical Society, Address Old Banni Mantap, Mysore City

FOWLER, GILBERT JOHN, D Sc, F I C, F R S b 1868, m Amy Hindmarsh, d of George S and Eleanor Scott Educ Sidcot School, Somerset, Owens College, Victoria University, Manchester, Heidelberg University For 20 years in service of Rivers Committee of Manchester Corporation Responsible for treatment of the sewage and trade-effluents of Manchester Pioneer of "Activated Sludge" process of sewage purification World-wide experience as sanitary expert Consulted by cities of New York, Cairo, Shanghai, and Hankow First visited India in 1906 on special duty for Government of Bengal, re-purification of jute mill effluents From 1916 to 1924 Professor of Applied Chemistry and later of Bio chemistry at the Indian Institute of Science, Bangalore During the war was Consulting Adviser to the Government of India on the production of acetone, used in the manufacture of cordite Was appointed Principal of the Harcourt Butler Technological Institute, Cawnpore, in July 1927 Retired in November 1929, after assisting in framing a policy for the conduct of the Institute, accepted by Government Has been President of the Indian Chemical Society, is Honorary Corresponding Secretary for India of the Institute of Chemistry of Great Britain and Ireland, and Corresponding Member of the Manchester Literary and Philosophical Society Has published many scientific papers and discourses Address Central Hotel, Bangalore, S India

FREKE, CECIL GEORGE, M A (Cantab), B Sc (Lond), F S S, I C S, Offg Financial Secretary, Government of Bombay b 8 Oct 1887 m Judith Mary Marston Educ Merchant Taylor's School, London St John's College, Cambridge Entered I C S 1912, Under Secretary, Government of India, Commerce and Industries Department 1919, Director General of Commercial Intelligence and Statistics, 1921-1926, Deputy Secretary, Government of Bombay, Finance Department 1926-1929 Offg Finance Secretary, 1929-30 Address Secretariat, Bombay

FYZEE RAHAMAN, S, Artist b 19 Dec 1880 m Atiya Begum^{CH} Fyze, sister of Her Highness Nazli Rafiya Begum of Janjura Educ School of the Royal Academy of Arts, London and privately wch John Sargent, R A, and Sir Solomon J Solomon, R A, London Exhibitor at the Royal Academy Annual Exhibitions, privately at the Gallery George Petit in Paris,

Bashahr State, 1911-14, Superintendent and Settlement Officer, Mandi State 1915, Assistant Commissioner and Settlement Officer, Punjab, 1917, Deputy Commissioner 1922, Secretary to Government, Finance Department, 1926, Chief Secretary to Government, Punjab, 1927-28, Secretary to Government of India, Home Department, 1930-32, appointed Governor of the Punjab, 1933 *Address* Government House, Lahore

EWBANK, ROBERT BENSON, B A (Oxon) FLS, CIE, (1924), ICS, Secy to Govt of Bombay General Department (on leave) *b* 22 Oct 1883 *m* Frances Helen *d* of Rev W F Simpson of Caldbeck, Cumberland *Educ* Queen's Coll, Oxford Asst Coll and Asst Pol Agent, 1907, Registrar of Co-operative Societies, Bombay, 1912-20, Secretary to Imperial Committee on Co-operation, 1914-5, 1920-24, Deputy Secretary to Gov of India successively in Commerce, Rev and Agric, PWD and Education, Health and Land Departments, 1920 Secretary, Colonies Committee, London, 1925 Officiated as Private Secretary to H E Lord Reading, Secretary, Back Bay Enquiry Committee, 1926 Delegate of the Government of India in East Africa, 1927-28 Member, Bombay Legislative Council *Publications* Bombay Co-operative Manual and Indian Co-operative Studies *Address* Secretariat, Bombay

FALIERE, RT REV ALBERT PIERRE JEAN, Vicar Apostolic of Northern Burma and Titular Bishop of Clysma since 1930 *b* 1888 *Address* Mandalay

FARIDKOT, H H FARZAND-I-SAADAT NISHAN HAZRAT-KAISAR-I-HIND, BRAR BANS, RAJA HAR INDAR SINGH BAHADUR OF *b* 1915, *s* in 1919 rules one of the Sikh States of the Punjab *Address* Faridkot, Punjab

FARRAN ARTHUR COURTNEY, B A (1911), F R Hist Society, Principal, Karnatak College, Dharwar *b* June 15, 1890 *Educ* Trinity Coll, Dublin *Address* Karnatak College, Dharwar

FAWCUS, GEORGE ERNEST, M A (Oxon) CIE (1927), OBE (1923), V D (1923) Director of Public Instruction Bihar and Orissa *b* 12 March 1885 *m* (1911) Mary Christine, *d* of the late Walter Dawes, JP of Rye, Sussex *Educ* Winchester College and New College, Oxford Joined the IES 1909, Director of Public Instruction, Bihar and Orissa, since 1917 *Address* Patna, EIR

FAZULBHOY CURRIMBHOY, SIR (1913), CBE (1920), Merchant and Millowner *b* 4 Oct 1872 *m* Bai Sakinabai *d* of the late Mr Datoobhoy Ebrahim *Educ* privately, Municipal Corporator for over 21 years, Chairman, Standing Committee (1910-11), President, 1914-15, Represented Bombay Millowners' Association on Bombay Prov Council, 1910-12 and Bombay Mahomedans on Imperial Legislative Council, 1913-16, represented Bombay Corp on Board of the Prince of Wales Museum of W India, now nominated Member by the Government

Hon Secretary, Bombay Presidency War Relief Fund Appointed by Government Member of various Committees and Commissions, chief being the Weights and Measures Committee, Committee on the education of Factory Employees, and the Commission for Life Saving Appliances, invited by Government to be one of the three delegates from India to the International Financial Conference at Brussels, convened by the Council of the League of Nations, 1920 Connected with many of the principal industrial concerns in Bombay, Chairman, Indian Merchants' Chamber and Bureau, 1914-15 An active Member of the Committee of the Bombay Millowners' Association, being Chairman, 1907-8 A keen advocate of education, particularly of Mahomedans Member of the Anjuman-i-Islam, Bombay, a Trustee of the Aligarh College, a Vice-President of the All-India Muslim League, a Member of the Committee of the Moslem University Foundation Association Sheriff of Bombay, 1926 *Address* Pedder Road, Cumballa Hill, Bombay

FAZL-I-HUSAIN, THE HON MIAN SIR, KT (1925) KCSI KCIE, B A (Punjab), M A (Cantab), Barr-at-Law (Griys Inn), Member of the Governor-Generals Executive Council *b* 14 June 1877 *m* eldest *d* of Miran Nurahmad Khan *Educ* Abbottabad, Govt College, Lahore, Christ's College, Cambridge Practised in Sialkot, 1901-5, in the Punjab High Court, Lahore, 1905-20, Presdt, High Court Bar Association, 1919-20, Professor and Principal, Islamia College, 1907-8, Secretary, Islamia College, 1906-18, Fellow, Punjab University, 1909-1920, Syndic Punjab University, 1912-1921, represented Punjab University on Legislative Council, 1917-20 President, All-India Mahomedan Educational Confee 1922, started Muslim League, 1905 Title of KB 1917, President, Punjab Prov Conference, 1916, elected to Punjab Legislative Council, 1920 Apptd Minister of Education, Punjab, 1921, re-elected unopposed to Punjab Legis Council, 1923, re-appointed Minister of Education, Punjab, 1924 Temp additional Member of H E The Governor-General of India's Council, Aug 1925 Re-appointed Minister of Education Nov 1925, Apptd Revenue Member, Punjab, 1926 Leader of the House in the Punjab Leg Council July 1926 to March 1930 Member of the Indian Delegation to the League of Nations 1927 Temporary Member, Governor-General's Executive Council (Dept of Education, Health and Linds), Aug 1929 On delegation to S African Conference, 1932 *Address* "The Retreat," Simla, 6, King Edward Road, New Delhi

FERNIOR, LEWIS LFGE, OBE (1919), D Sc (London), A R S M, F G S F A S B, M Inst M M, Director, Geological Survey of India *b* 18 Sep 1880 *Educ* Wilson's Grammar School, Camberwell, Royal College of Science and Royal School of Mines, London National Scholar, 1898, Murchison Medalist and Prizeman, 1900, Geological Survey of India, since 1902, attached Indian Munitions Board 1917-18, represented Government of India at International Geological

GANGARAMA KAULA, B.A., C.I.L. (June 1930), I.A. & A.S., Retired Controller of Civil Accounts b 9 May 1877 m to Bhagyabharie Winchoo of Lahore and Delhi *Educ* Central Model School, Lahore and Government College, Lahore Entered the service of Government of India as Assistant Examiner of Public Works Accounts, 1896, rose to the rank of Accountant-General, 1921, Accountant-General, Central Revenue, New Delhi, 1925-1928, Director, Railway Audit New Delhi and Simla, 1929-30, Controller, Civil Accounts, New Delhi and Simla, 1930-32, appointed to officiate as Auditor General from September 1930 to January 1931 Member, Posts and Telegraphs Accounts, Enquiry Committee, 1931, Member Bombay Reorganisation Committee, 1932 Acting Honorary Treasurer, Indian Red Cross Society and St John Ambulance Association (Indian Council) Honorary Treasurer, Indian Public Schools Society, Honorary Treasurer, All India Women's Education Fund Association *Publications* Several departmental codes manuals and reports *Address* New Delhi and Simla

GANGULI, SUPRAKASH, nephew of the poet, Dr Rabindranath Tagore, Artist M.R.A.S., F.R.S.A. (Lond.), Curator, Museum and Art Gallery, Baroda b 8th May 1886 m Srimati Tanujabala Devi *Educ* Doreton College, Calcutta, subsequently visited Europe chiefly for the study of Fine Arts and Archaeology With the idea of gaining a wider knowledge in the above subjects he held a temporary post in the Imperial Archaeological Survey under late Dr B.B. Spooner, Dy Director-General of Archaeology in India Here he spent about 6 years doing the work of photographing and listing of the Ancient Monuments in the Provinces of Bengal, Behar and Orissa, Assam and Chota Nagpur and of studying ancient Indian Sculptures in the Indian Museum, Calcutta, and branches *Publications* Under preparation 1 A monograph on Rags and Raginis with 36 colour reproductions of old paintings 2 A monograph on Rajput and Kangra Paintings with 12 illustrations 3 A short history on the art of brocade weaving in Gujarat 4 Mughal textiles 5 Lacquer work in India 6 Descriptive Guide to the Baroda Museum Art Gallery (under preparation) *Address* Pushpabag, Baroda

GARBETT, COLIN CAMPBELL, B.A., LL.B., F.R.G.S., C.I.E. (1917), C.M.G. (1922), Chief Secretary to Government, Punjab b 22 May 1881 m Marjorie Josephine d of late Lt Col Maynard, I.M.S. *Educ* King William's College, Isle of Man Rowing, Cricket and Football Colours (Captain) Victor Ludorum Jesus College, Cambridge Senior Scholar Football, Athletic and Rowing Colours Victor Ludorum B.A. (1st Class Hons.), Classics, 1903, LL.B. (2nd Class), 1904, I.C.S., 1904, Asst Censor 1915, Revenue Commissioner, Mesopotamia, and also Administrator, Agricultural Development Scheme (Military), 1917, (despatches twice), Assistant Secretary, India Office, 1919-20, Secretary, High Commissioner, Iraq 1920-22, returned to India, 1922, Deputy Commissioner, Attock,

1925-29, Rawalpindi 1929 Chief Secretary to Government, Punjab, 1931 *Address* Punjab Civil Secretariat, Lahore/Simla

GARRLETT, JOSEPH HUGH, B.A. (Cantab.), CSI (Jan 1931) b 22 June 1880 *Educ* Highgate School and Gonville and Caius College, Cambridge Served in Bombay as Asstt Collector and Magistrate and Asstt Settlement Officer, Deputy Commissioner of Salt and Excise Northern Division, Dec 1910, Offg Collector and District Magistrate and Political Agent, Jan 1921, Offg Collr and Talukdar Settlement Officer, June 1923 and again June 1925, confirmed, Jan 1926, Offg Commissioner March 1925 and again February 1926 *Address* Shahibag, Ahmedabad

GAUBA, KHALEEL LATIF, formerly KANHAYA LAL, B.A. LL.B. (Cantab.), 1920, Barrister at-Law b 29th August 1899 m Husnara Aziz Ahmed, d of late Aziz Ahmed, Bar at-Law Converted to Islam in 1933 *Educ* Privately and at Downing Coll., Cambridge Member, Committee, Cambridge Union Society, (1920) Associated with many Joint Stock enterprises as Director, Lahore Electric Co., Ltd., The Bharat Insurance Co., Ltd., etc President, Punjab Flying Club, 1932-33, Ex-President, Punjab Journalists' Association, (1922), Member, N.W.R. Advisory Committee, and Member, Managing Committee of the Irwin Flying Fund, (1931) *Publications* Leone, (1921), Uncle Sham, 13th Ed., (1929), H.H. or the Pathology of Princes 3rd Ed., (1930), The Prophet of the Desert, (1933) *Address* Alkman Road, Lahore

GIDDIS, ANDREW, J.P., JAMES FINLAY & Co., Limited b 11th July 1886 m Jean Baikie Gunn, d of Dr Gunn, George Square, Edinburgh *Educ* George Watson's College, Edinburgh Joined James Finlay & Co., Ltd., Bombay, 1907, Chairman, The Finlay Mills, Ltd., The Surya Mill, Swan Mills, Ltd., Gold Mohur Mills, Ltd., Director, Bank of India, Chairman, Bombay Millowners' Association, 1926, Millowners' Association's representative on Port Trust G.I.P. Railway Advisory Committee, also Director, East India Cotton Association *Address* Sudama Villa, Nepan Ser Road, Malabar Hill

GENNINGS, JOHN FREDERICK, C.B.E. (1933), Bar-at-Law (Middle Temple, 1911), Commissioner of Labour and Director of Information, Bombay and Commissioner of Workmen's Compensation b 21 Sept., 1885 m Edith d of T.J. Wallis, Esq., of Croydon, Surrey and Aldeburgh, Suffolk *Educ* Aske's Hatcham and Dulwich Entered journalism in 1902 and served on the Editorial Staffs of the *Morning Leader*, *Star*, *Daily Mail* and *Daily Telegraph* Army (25th Bufts and R.G.A.), 1915-1919, War Office M.I. 7 b Propaganda Section, from Aug 1916 to Feb 1917 Director of Information, Dec 1920 Ag Director of the Labour Office in addition, July 1925 to March 1926 Since that date in charge of combined offices as Commissioner of Labour and Director of Information, *Address* Secretariat, Bombay,

Goupils' Arthur Tooth's and the New Burlington Galleries in London, Knoedlers', Andersons' New York and at the Palace of Fine Arts in San-Francisco. In 1925 the National Gallery of British Art acquired two paintings for their permanent collection, now hung in the Tate Gallery, Milbank. In 1930 the authorities of the Luxembourg Gallery of Paris acquired one painting for their permanent collection, as also the City Art Gallery of Manchester. Her Imperial Majesty the Queen-Empress honoured his exhibition by a visit at the New Burlington Galleries. In 1926 and 1927, painted the first dome in the Imperial Secretariat in New Delhi and in 1928-29 the 2nd dome of the Committee Room 'B' of the same building. For several years Art Adviser to H. H. the Gaekwar of Baroda. In the spring of 1930 the authorities of the City Art Gallery, Manchester organised an exhibition of his entire works at their Galleries by special invitation. Painted many portraits of the Princes and Nobles of India. Leader of the Indian School of painting and opposed to the methods both of the Bombay and the Bengal Schools. *Publications* History of the Bene-Israelites of India. Address "Aiwane-Rifat," Ridge Road, Malabar Hill, Bombay.

GAJENDRAGADKAR, ASHVATTHAMA BALACHARYA, M.A., Ph.D., M.R.A.S. Professor of Sanskrit, Elphinstone College, Bombay. b 1 Oct 1892. m Miss Kamalabai Shaligram of Satara. Educ Satara High School, Satara and the Deccan College, Poona. Appointed Assistant to Professor of Sanskrit at Elphinstone Coll., Sept 1915, Lecturer, 1917, apptd Prof of Sanskrit, Elphinstone College, in 1920. Holds the rank of Lieutenant and commands "C" Company of the 1st Bombay Battalion University Training Corps (I.T.F.). *Publications* Critical editions of many Sanskrit classics for the use of University students which include Kalidasa's Ritusamhara, Kalidasa's Shakuntala, Banar's Harsacharita, Dandin's Dashakumar Charita, Bhatta Narayana's Venusamhara, Ananbhatta's Tiruk Sangraha, etc. Address Maharaja Building, Bombay 4.

GANDHI, MANMOHAN PURUSHOTTAM, M.A., F.R.Econ.S., F.S.S., Secretary, Indian Chamber of Commerce, Calcutta, Secretary, Indian National Committee, International Chamber of Commerce, 1929-31, Secretary Federation of Indian Chambers of Commerce and Industry, 1929-30, Secretary, Indian Sugar Mills Association. Jt Hon Secretary, Indian Colliery owners' Association, Registrar, Indian Chamber of Commerce Tribunal of Arbitration, Calcutta, Secretary Board of Control to the East India Jute Association, Calcutta, s of late Purushottam Kahanji Gandhi, of Limbdi, (Kathnawar) b 5th November 1901. Educ Bahauddin College, Junagadh, Gujarat College, Ahmedabad, and the Benares Hindu University. m 1926, Rambhagvari, d of Sukhlal Chhaganlal Shah of Wadhwan. Joined Government of Bombay Labour Office, as Statistical Assistant, 1926, Indian Currency League, Bombay, as Asstt Secretary, 1926.

Indian Chamber of Commerce, Calcutta, 1926, *Publications* A Mercantile Marine for India—a paper read before the Indian Economic Conference 1925, Foreign capital in India—a joint paper read before the Indian Economic Conference, 1926, Modern Economics of Indian Taxation—being the Sir Manubhai Mehta Prize Essay, (in Gujarati), 1924. The Indian Cotton Textile Industry Its Past, Present and Future, 1930, with a Foreword by Mr G. D. Birla, M.L.A., thoroughly revised and enlarged edition of author's Bombay University Ashburner Prize Essay, 1925. (The Book Company, College Square, Calcutta). How to compete with Foreign cloth with a foreword by Sir P. C. Roy. (The Book Co., Calcutta). 1931 Vernacular Editions of How to compete with Foreign cloth in Tamil, Gujarati, Hindi and Bengali, with a foreword by Mr M. K. Gandhi, 1931. The Sugar Industry of India—Its Past, Present and Future, 1933. Address c/o Indian Chamber of Commerce, 135, Canning Street, Calcutta, India.

GANDHI, MOHANDAS KARAMGHAND, Bar-at-Law (Inner Temple) b 2nd October 1869. Educ at Rajkot, Bhavnagar, and London. Practised law in Bombay, Kathiawar, and South Africa. Was in charge of an Indian Ambulance Corps during the Boer War and the Zulu revolt in Natal. During the great war raised an ambulance corps and conducted a recruiting campaign in Kaira district. Started and led the Satyagraha movement, (1918-19) and the non-cooperation campaign, (1920) in addition to associating himself with the Khilafat agitation, (1919-21). Has championed the cause of Indians abroad notably those in South and East Africa. Sentenced to six years' simple imprisonment in March, 1922, released, Feb 4th, 1924. President of the Indian National Congress, 1925. Inaugurated campaign for breach of the Salt Laws, April, 1930. Interned, 5th May, 1930 and released 26th January 1931. Delegate to the Round Table Conference, 1931. Imprisoned January 1932, released on May 8th, 1933. *Publications* "Indian Home Rule," "Universal Dawn," "Young India," "Navajivan," (Hindi and Gujarati). Address Satyagrahshram, Sabarmati, B. B. & C. I. Railway.

GANDHI, NAGARDAS PURUSHOTTAM, M.A., B.Sc., A.R.S.M., D.I.C., F.G.S., M.Inst.M.M., University Professor and Head of Department of Mining and Metallurgy, Benares Hindu University, Benares, s of late Purushottam Kahanji Gandhi of Limbdi (Kathnawar), b 22nd December 1886. m 1906, Shivkumari d of Sheth Bhudar Lalchand, Ranpur. Educ Bahauddin College, Junagadh, Wilson College, Bombay. Imperial College of Science and Technology, London. Joined Messrs Tata Iron and Steel Co. 1915, General Manager, Messrs Tata Sons Ltd, in Travoy (Lower Burma) where wolfram and tin mining was carried on during the Great War, (1916-1919), University Professor and Head of the Department of Mining and Metallurgy, Benares Hindu University since 1919, Address Hindu University, Benares.

Brigade, 1925-26 and 3rd (Meerut) Cavalry Brigade, 1926-29, Director of Military Operations, Army Headquarters, India, 1930-31, Major General, Cavalry in India, 1931 *Address* Army Headquarters, India, Delhi and Simla

GINWALA, SIR PADAMJI PESTONJI, KT (1927), B A (Hist Tripos, Cambridge), Barrister at Law, Adviser to Swedish Match Co of Stockholm and Western India Match Co, Bombay *b* Nov 1875, *m* Frenn Bezonji *Educ* Govt High School and Gujarat College, Ahmedabad, Trinity Hall, Cambridge, called to the Bar, 1899, Advocate, Chief Court of Lower Burma, 1905 Asstt. Govt Advocate, 1915 Secretary, Legislative Council, Burma 1916, resigned, 1902, President, Rangoon Municipal Corporation, 1922-23, Member Legislative Assembly, 1921-23, Member Indian Tariff Board, 1923, President, 1926-1930 Resigned July 1930, Delegate, Imperial Conference, 1930, Member, Round Table Conference, 1931, Ottawa Conference, 1932 World Economic Conference 1933 *Address* 38, Hyde Park, Gate, London, S W 7

GLANCY, BERTRAND JAMES, C S I (1933), C I E (1924), Political Secretary to the Government of India, Foreign and Political Department *b* 31st December 1882 *m* 1914, Grace Steele *Educ* Clifton, Monmouth, Exeter College, Oxford, Indian Civil Service *Address* Delhi and Simla

GLANCY, SIR REGINALD ISIDORE ROBERT, C S I (1921), C I E, Member of the India Council *b* 1874, *m* Helen Adelaide, *d* of Edward Miles Bowen House *Educ* Clifton College, Christ Church, Oxford Entered I C S, 1896, Settlement Officer, Bannu, 1903, Political Agent, 1907, First Asstt Resident, Hyderabad, 1909, Finance Member of Council H E H the Nizam's Government, 1911-1921, Resident in Baroda, 1922 President of the Cabinet, Jajpur, 1923 Agent to the Governor General, Central India, 1924-29, Chairman, H E H the Nizam's State Railway Board, 1930, Member of the India Council, 1931 *Address* India Office, London

GLANVILLE, SIR OSCAR JAMES LARDNER, DE (See under De Glanville)

GOKUL CHAND NARANG, THE HON'BLE DR M A, Ph D, Barrister at Law, Minister Punjab Government, Lahore *b* 15 Nov 1878 *Educ* Punjab University Calcutta University, Oxford University, and Bern University Was Professor and Barrister *Publications* The Message of the Vedas and Transformation of Sikhism *Address* 5, Montgomery Road, Lahore

GOLDSMITH, REV MALCOLM GEORGE, Missionary of C M S in Madras and Hyderabad, Deccan *b* 1849 *Educ* Kensington Proprietary Grammar School, St Catherine's College, Cambridge Ordained, 1872, C M S Missionary, Madras, 1872-73 Calcutta, 1874-75, Principal, Harris School, Madras, 1883-91,

Hyderabad, 1891-99, Hon Canon, St George's Cathedral, Madras, 1905 *Address* Royapet House, Royapettah, Madras

GORDON, LAYF, B A (Oxon), C I E (1931), Chief Secretary to Government, C P *b* 28 Feb 1884 *m* Jillas *Educ* Jdith Napier, (1912), *Educ* Rossall and Queen's College, Oxford Joined I C S *Address* Nagpur, C P

GOSWAMI, KUNAR TUISI CHANDRA, M A (Oxon), Zemindar Member, Legislative Assembly Son of Raja Kisorlal Goswami of Serampore, member of first Bengal Executive Council *b* 1893 *Educ* Presidency College, Calcutta, Oxford and Paris Delegate elected by the Indian Legislative Assembly to represent India at the August Session, (1928) of the Empire Parliamentary Association, Canada, and was Chairman of the Indian Section *Address* The Raj Boree, Serampore, Ralney Park, Ballygunge, Calcutta, Kamachia, Benares, Puri

GOULD, HERBERT ROSS, B A (Oxon), C I E Indian Civil Service Private Secretary to H L the Governor of Bombay since 1931 *b* 17th April, 1887, *m* Florence Mary Butler *Educ* Chilton College, Brasenose College, Oxford Arrived Bombay 1911 Asst Collr Dharwar, Canara, Tarkhana, 1911-16, Military Service, I A R O 1916-1919 Asst Collr Sholapur, 1919, Dy Commissioner Upper Sind Frontier, 1920-23, Collr Sholapur, 1924-1928, Collr Poona, 1929, Private Secretary to Governor (Acting), 1929-30 *Address* Bombay and Poona

GOUR, SIR HARI SINGH, KT (1925), M A, D Litt, D C L, LL D, Member of the Legislative Assembly, Barrister at Law *b* 26 Nov 1872. *Educ* Govt High School, Saugor, Hislop Coll, Nagpur, Downing Coll, Cambridge Presdt, Municipal Committee, Nagpur, 1918-22, First Vice-Chancellor, and Hon D Litt, Delhi University, re appointed 1st May 1924-1926 Member of Indian Central Committee, Elected Deputy President of the Leg Assembly and Vice-President of the Empire Parliamentary Association (Indian Branch), Leader of the National Party in the Assembly and Leader of the Opposition its senior Chairman, Delegate to the Joint Committee of Parliament, 1933 Hon Member of the Athenaeum Club, National Liberal Club and British Empire Society *Publications* Law of transfer in British India, 3 vols (6th Edition) Penal Law of British India 2 vols (4th Edition), Hindu Code (3rd Edition) The Spirit of Buddhism, His only Love, Random Rhymes and other poems *Address* Nagpur, C P

GOWAN, SIR HAYD CLARENDON, B A (Oxon), V D, C I E (1928), C S I (1932), K C S I (1933), J P, I C S, Governor, Central Provinces, Sept 1933 *b* 4 July 1878 *m* Edna Gowan (nee Brown) 1905 *Educ* at Elstree School, 1889-1892, Rugby School, 1892-1897, New College, Oxford, 1897-1901, Univ Coll, London, 1901-1902 Under Secretary to C P Govt, 1904-08, Officiated as Under Secretary, Commerce and Industries Department, Government of India, July to Nov 1908, Settlement Officer, Hoshangabad District,

GHOSE, Hon. Sir CHAIT CHANDRA *Kent* 1st (1926) Judge of the High Court, Calcutta B.A., LL.B., Calcutta, Barrister-at-Law Lincoln's Inn 1907 Enrolled as Valif of the Calcutta High Court 1898, Advocate Calcutta High Court 1907 Judge of the High Court since 1919 *b* 41 *b* 187, older son of Hon. Rai Debendra Chandra Ghose, Bahadur, of 10 Debendra Ghose Road, Bhubanpore, Calcutta, in 1892, Nirmolkrishni *Ch* of late Pratap Chandra Ghose, of Calcutta and has issue *Address* National Liberal and Calcutta Club

GHUZNAVI or DHIDHAI, THE Hon. AHMAD NAWAB SHAHABUDDIN SH. ALI KHAN *ABU AHMED KHAN, KT.* (1925) M.C. Zemindar and Landowner, Member, Executive Council Government of Bengal *b* 21 August 1872 *m* Nawab Begum Lady Said unness Khanum, 1894 *Educ* St Peter's School, Exmouth, Devonshire Master Wren and Gurney Institution, London Universities of Oxford and Jena (Germany) Returned to India, 1894 and settled on his estates handed down by his ancestors Intehad Khan Ghuzni Lohani, brother of Omar Khan Ghuzni Lohani, the last independent Afghan Chieftain of Bengal Represented the whole of L. B. & Assam in both Moslem & Hindu Interests in the old Imperial Legislative Council, (1909 12) Represented the whole of Bengal in Moslem Interests in Viceroy's Council, (1913 16) Was sent on a political mission to the Court of ex-King, Hussein of Hedjaz as well as to Palestine and Syria to enquire into the question of Pilgrim Traffic, (1913) Entered Bengal Legislative Council, 1923 and 1926 Appointed Minister, Government of Bengal, in 1921 and again in 1927 Exempted from the Indian Arms Act in 1925 Elected Chairman, Bengal Provincial Simon Committee in 1928 and General Chairman of all Provincial Simon Committees in March 1929 Appointed Member, Executive Council, Bengal Government, April 1929 Author of "Pilgrim Traffic to Hedjaz and Palestine" "Moslem Education in Bengal" and other works Has one son (Ahmad) Mr I. S. K. Ghuznavi, B.Sc.) and four daughters *Address* North House, Dilduar, Mymensingh, Writer's Buildings, Calcutta Lohani Manor, Lohani-Sagaridighi, Mymensingh, Bengal

GIBSON, RAYMOND EVELYN, C.I.E. (1924), I.C.S. Commissioner in Sind *b* 10th Oct 1878 *m* 1st 1925 Mrs Iffe Kerr Gordon (died 1926), 2ndly, 1927, Mrs Greta Twiss *Educ* Winchester College and New College, Oxford Entered I.C.S., 1901 and became Asstt Collector, 1902, Superintendent, Land Records and Registration, Sind, 1906, Colonization Officer, Jamrao Canal, 1909, Asstt Commissioner, in Sind and Sindhi Translator to Government, 1910, Private Secretary to Governor of Bombay, 1912, Asstt Collector, Gujarat, 1911, Collector in Gujarat and Sind, 1916, Acting Commissioner in Sind in 1923 and 1929, Commissioner in Sind, 1931 *Address* Karachi

GIDHOUR, MAHARAJA BAHADUR CHANDRA MOULSHWAR PRASAD SINGH, MAHARAJA BAHADUR OF GIDHOUR *b* 1890

Has been a Member of District Board, Monghyr, Vic. Chairman, Local Board and an Honorary Magistrate with Independent power (to try cases singly) Member of Legislative Council Bihar and Orissa since 1920 1926 His Vice President, Bihar Jani holder & Association, Patna, President Divisional Land holders' Association, Bhagalpore, President, Baldevanath Temple Committee and scheme of Management Ascended the Gaddi on 21st November 1927 Title of Maharaja Bahadur made hereditary in 1877, has a son and heir—Maharaj Kumar Chandra Choor Singh *Address* Arkville, Gidhour, District Monghyr, No. 9, Hungerford Street, Calcutta

GIDNEY, Sir HENRY AINSFORD JOHN, KT. (1931) Lt Col. I.M.S. (retired) I.R.C.S.I., D.O. (Oxon) F.R.S.A. (London) D.P.H. (Cantab.), M.I.A. Ophthalmic Surgeon *b* 9 June 1873 *Educ* at Calcutta Edinburgh R. College University College Hospital, London Cambridge and Oxford Post Graduate Lecturer in Ophthalmology, Oxford University, (1911) Entered I.M.S., 1898 Served in China Expedition 1900 01, N.W. Frontier, 1911 N.W. Frontier, 1914 15 (wounded) President in Chief Anglo Indian and Domilled European Association All India and Burma Leader of Anglo Indian Deputation to England, 1925 Accredited leader of the Domilled Community in India and Burma Member of Legislative Assembly Assistant Commissioner Royal Commission on Labour in India, Anglo Indian Delegate to the Indian Round Table Conference, London, Member, Indian Sindhur Committee Assessor to all four Government of India Retrenchment Sub-Committees, (1931) Member, Joint Parliamentary Committee 1931 *Address* 87-A, Park Street, Calcutta

GILBERT LODGE, CAPTAIN EDWARD MORTON, F.S.I., F.I.A., F.A.I., M.T.P.I., I.P. Hon. Presidency Magistrate, *b* 23 Jan 1880 *m* May *d* of Thomas Spencer, Esq. of Norwood, London S.I. *Educ* at Sydney, N.S. Wales Australia Private practice London, 1903 1914 Royal Engineer, April 1915—May 1920, then retiring to Reserve with rank of Captain and is now on retired list, Asst. Land Acquisition Officer, Bombay May-Nov. 1920, Land Manager and Consulting Surveyor to Govt. Development Directorate, Nov. 1920 to Dec. 1925 *Address* Improvement Trust Building, Esplanade Road, Bombay

GILLES, MAJOR GENERAL EDWARD DOUGLAS, C.B. (1932) C.M.G. (1910), D.S.O. (1916), American D.S.M. (1919), A.D.C. to the King (1930 31), Major General, Cavalry in India *b* 13th October 1879 *m* Lilien Graham Dingwall-Lordyce, *d* of late C. G. Dingwall-Lordyce and Mrs J. I. Barry *Educ* Marlborough College, and R.M.C. Sandhurst Joined King's Shropshire LI 1899, transferred to Scinde Horse, 1901 p.s.c. 1912, Great War in France, 1914-18 (4 times mentioned in despatches—D.S.O., Bt. Lt Col., C.M.G., American D.S.M.), transferred to K.G.O., Central India Horse, 1919, Director, Staff College, Quetta, 1921-24, Commanded 4th (Secunderabad) Cavalry

1930, for three months after which resigned
Address The Palace, Wal, District Sitra

GULLILAND, COLIN CAMPBELL, Secretary and Clerk of the Course and starter Western India Turf Club Ltd b 2nd December 1892 m Margaret Patricia Gulliland (nee Denchey) Educ Oundle School Joined F W Heilgers & Co, London, 1912, Calcutta, 1914 15, served with Indian Cavalry, 1915 1919 saw active service with 32nd Lancers, Iraq, 1916 and 1918 19, with Croft and Forbes, 1919 29 Partner, Croft and Forbes, Exchange Brokers, Bombay, served as member of Committee, Chamber of Commerce, Bombay, 1929, joined W I T C as Asst Secretary, Nov 1929 Address 5, Burnett Road, Poona

GUPTA, SATISH CHANDRA, C I E (1932), Bar at Law, Secretary, Legislative Assembly Department b 16 September 1876 m second d of the late Mr K N Roy Statutory Civil Service Educ London Assistant Secretary, Bengal Legislative Council, 1910 14, subsequently Dy Secretary and Joint Secy, Legislative Department, Government of India. Appointed Secretary, Legislative Assembly Department, 1929 Address 6, York Place, New Delhi

GWALIOR, HIS HIGHNESS MAHARAJA MUKHTAR, UR-MULK Azim Ul Iqbal, Rafi ush shan, Wala Shukoh, Mohatasham i-Dauran, Umd-at-ul Umra, Maharajadhiraj-Hisamus Saltanat JIVAJIRAO SCINDIA Aliyah Bahadur Shrinath, Mansur i Zamran, Firdaus Hazrat-i Malik i Mauzzam-i-Rafi ud Dary-i-Inglistan b 26th June 1916 Succeeded to the gadi on 5th June 1925 Address Jai Bilas Palace, Gwalior

HABIB-UL-LAH SAHIB BAHADUR, KHAN BAHADUR SIR MUHAMMAD KT (1922), K C S I (1927), K C I E (1924), C I E (1920), Dewan of Travancore b Sept 22 1869 m Sidathun Nisa Begum Educ Zilla High School, Saidapet Joined the Bar in 1888, in 1897 was presented Certificate of Honour on the occasion of Golden Jubilee of the late Imperial Majesty Queen Victoria, from 1901 devoted whole time to local self-government and held the position of Chairman of Municipal Council, Pres, Taluk Board and Pres, Dist Board, Khan Bahadur, 1905, Member, Legislative Council, 1909 12, appointed Temporary Member Madras Executive Council, 1919, was Commissioner of Madras Corporation, 1920 Gave evidence before Royal Commn on Decentralisation and also before Public Services Commn, served as a co opted member on Reforms Committee, Member, Royal Commission on the Superior Civil Services in India, Nov 1923 March 1924, Member of Council of the Governor of Madras, 1920 1924 Member of the Viceroy's Council 1925-1930 Leader of the Indian Delegation to South Africa, 1926-27 Leader of the Indian Delegation to the League of Nations (1929) Address Trivandrum

HAIDER KARRAR JAFRI, SYED, Ex Member, Legis Assembly and Asstt Manager, Court of Wards, Balrampur Rly b 8 Nov 1879 Married Educ Collegiate School, Balram

pur, M A O Coll, Aligarh, Agra College and Mistr's Accountancy Institution, Bombay, Member, Gonda Dist Board for six years, Member, Municipal Board, Balrampur, for 20 years, Hon Magte, Balrampur, for 20 years, Vice Chairman, Balrampur Central Co operative Bank, Member, Standing Committee, All-India Shila Conference, Trustee, Shri Coll, Lucknow, President and Trustee of the Balrampur Girls' School Address Balrampur, Dist Gonda (U P)

HAIG, SIR HARRY GRAHAM, K C S I, C I E (1923), C S I (1930), Governor Designate of the United Provinces b 13 April 1881 m to Violet May Deas, d of J Ders, I C S (retired) Educ Winchester and New Colleges, Oxford Entered I C S 1905, Under-Secretary to Govt, U P, 1910-12, Indian Army Reserve of Officers, 1915 1919, Deputy Secretary to Govt of India, Finance Dept, 1920, Secy, Fiscal Commission, 1921-22, attached Lee Commission 1923 24 Private Secretary to Viceroy, 1925, Secretary to Government of India, Home Dept, 1926 30, Home Member, Govt of India, 1930 34 Address Governor's Camp, (U P)

HAILEY, SIR WILLIAM MALCOLM, G C S I, G C I E, I C S, Governor of the United Provinces (1928) Knight of Grace of Order of St John of Jerusalem, Hon Fellow Corpus Christi College, Oxford, D Litt (Lahore) b 1872 m 1896, Andreina, d of Count Hannibale Balzani Italy Lady of Grace of Order of St John of Jerusalem, F R G S Educ Merchant Taylor's School, Corpus Christi College, Oxford (Scholar) First Class Mod First Class Lit Hum Colonisation Officer, Jhelum Canal Colony, 1902, Sec, Punjab Govt, 1907, Dy Sec, Govt of India, 1908, Member, Durbar Committee, 1911, Ch Commr, Delhi, 1912-19, Finance Member, Government of India, 1919-1922, Home Member, Government of India, 1922-1924 Governor of the Punjab, 1924 28 Address Governor's Camp, (U P)

HAJI WAJIHUDDIN, KHAN BAHADUR (1926), M L A Proprietor of Pioneer Arms Co, Meerut, b 1880 During Great Balkan War (1910-12) was Treasurer, Meerut Division Red Crescent Fund, during Great War (1918) worked as Hon Secretary, Meerut Cantonment War Loan Committee Member of many educational institutions Elected in 1916 to Meerut Municipal Board, re-elected in 1919 re-elected in 1920 to Legislative Assembly, re-elected in 1923, re-elected unopposed in 1930 Appointed in 1922 to bench of Hon Magistrates, appointed 1927 Chairman, Cantonment Bench empowered "First Class" 1929 Elected in 1922, Hon Secretary to the Central Hry Committee of India Elected unopposed in 1927 to Cantonment Board, re-elected unopposed in 1928, elected Vice-President of Prohibition League of India in 1926, re-elected in 1928 President of Meerut Cantonment Residents' Association since 1926 Address "Pioneer House," Meerut Cantonment

Atul Chandra Chatterji, High Commissioner for India, published in the English Co-operative Journal. Brief sketch of the life of Rai Bahadur Pandit Shyam Behari Misra, late Registrar, Co-operative Societies, U P Lucknow, published in the U P Vernacular Co-operative Journals. Address Binnor, U P.

HARI KISHAN KAUL, RAJA PANDIT, M A, C S I, C I E, Rai Bahadur b 1869 s of Raja Pandit Suraj Kaul C I E, Educ Govt Coll, Lahore Asstt Commr, 1890, Jun Secy to Financial Commr, 1893-97, District Judge, Lahore, 1897-98, Deputy Commr, Jhang, 1898, Settlement Officer, Muzaffargarh, 1898-1903, S O Mianwali, 1903-8, Dy Commr, 1906, Dy Commr, Muzaffargarh, 1908-09, Dy Commr and Supdt, Census Operations, Punjab, 1910-12, Dy Commr, Montgomery, 1913, on special duty to report on Criminal Tribes, Dec 1913-April 1914, Deputy Commissioner for Criminal Tribes, 1917-19, Dy Commissioner, Jhelum, 1919, Commissioner, Rawal Pindi Division, 1919-20, Commissioner, Jhulunder Division, November 1920 to November 1923, Member, Royal Commission on Services, 1923-1924, Commissioner, Rawal Pindi Division, 1924, retired Nov 1924 Member, Economic Inquiry Committee, 1925, Member, Indian Tariff Board (Cotton Textile Industry Enquiry), 1926-27, Dewan, Bharatpur State, April to October 1927 Prime Minister, Jammu and Kashmir State, 1931-32 Address 29, Lawrence Road, Lahore

HARISINGH, MAJOR-GENERAL, RAO BAHADUR THAKUR, OF SATTASAR, C I E, O B E, Army Minister, State Council and G O C, Bikaner State Forces b 1882 Educ Mayo College Address Sattasar House, Bikaner

HARI SINGHJI, SHREYAN RAO BAHADUR RAJA RAJ SHREE, SAHIB, O I F (1928) Chief of Mahajan, Premier Noble of Bikaner State, Title of "Rao Bahadur" conferred on 12th December 1911 b 16th October 1877 m the daughter of the Thakur Sahib of Sathin in Jodhpur State in 1894 Educ The Mayo College, and the Government College, Ajmer Member of Council of the Bikaner State and President of the Walter Kirt Rajputra Hitkarini Local Sabha, and President of the Sardars Advisory Committee, Bikaner Address P O Mahajan, Bikaner State Railway

HARRIS, DOUGLAS GORDON, Dip Ing (Zurich), C S I, C I E, M I E (Ind), Indian Public Works Department (ret'd) (1925) b 19 Oct 1883 m Alice, d of Spencer Ackroyd of Bradford, Yorks Educ Rugby School and Federal Polytechnic, Zurich, Switzerland Asst and Executive Engineer, P W D 1907-14, Under-Secretary to Government, U P, P W D, 1915, Under-Secretary to Government of India, P W D, 1916, Secretary to P W D Reorganisation Committee, 1917, Under-Secretary to Government of India, P W D, 1918, Asstt Inspector General of Irrigation in India, 1920, Secretary to New Capital Inquiry Committee, 1922, Deputy Secretary to Government of India, Department of Industries and Labour, Public Works Branch 1922, Consulting

Engineer to Government of India, 1928-31, Member, Sind Financial Inquiry Committee, 1931, Member, Bombay Reorganisation Committee, 1932 Publications Irrigation in India (Oxford University Press). Address 1, Hayes Barton, Shanklin

HARRISON, ARTHUR NIVILLE JOHN, Modern History Scholar, Lincoln College, Oxford (1900), B A (Oxon), 2nd Class Finals, 1903 Chief Auditor, B B & C I Railway b 15th September 1881 m Helen Zoe Foote, youngest d of the late R Bruce Foote, 1st R C S Educ Cheltenham College, Lincoln College, Oxford Joined Accounts Branch P W D, Madras, 1905, L B S Railway, 1909-1911, Auditor, Jodhpur Bikaner Railway, 1911-1921, B B & C I Railway since 1921 Acting Agent, 1933 Address General Offices, B B & C I Railway, Churchgate, Bombay

HATWA, MAHARAJA BAHADUR GURU MAHADEV ASRAM PRASAD SAHIB, OF b 19 July 1893, S Oct 1896 to the Gadi after death of father Maharaja Bahadur Sir Kishan Pratap Sahi, K C I E, of Hatwa Address Hathuwa P O, District Saran, Bihar and Orissa

HAY, MAJOR GENERAL CHAILIS JOHN BRUCE, C B (1920) C M G (1910) C B L (1921), D S O (1916), Officer of the Order of St John of Jerusalem, I R G S, I R Empire Society Commander, Lucknow District b 18 May 1877 at Rous Lench Court, Worcestershire m Agatha, youngest d of the Rev James Mangin, DD LL D Educ Wellington College, Royal Military College, Sandhurst, Staff College, Camberley On deputation to Canadian Militia 1909-10, Extra ADC to Lt Governor of Bengal for Coronation Durbar 1911, D A A and Q M G India, 1912-14, on the General Staff in France, Belgium, Aden and Iraq, 1914-18 (Despatches 5 times, Brevet of Lieut-Colonel C N G, D S O), on the General Staff in the 3rd Afghan War 1919 (Despatches), on the General Staff in the Insurrection in Iraq (Despatches, C B L), Commanding 19th Punjab 1921-23, Colonel on the staff, General Staff, Southern Command, 1923-27, Commander, Xth (Jubbulpore) Infantry Brigade 1927-29, Commander, Sind (Ind) Brigade Area, 1929-31, Commander, Lucknow District, since 1931 Address Flagstaff House, Lucknow, U P

HAYE, MIAN ABDUL, B A, LL B, M B E (1919), M I A, Advocate, Lahore High Court b Oct 1888 Educ at Lahore Forman Christian College Passed LL B, 1910, started practice at Ludhiana, elected Municipal Commissioner same year, elected 1st Vice President 1911 which office he held till 1921 when he was elected senior Vice-President 1st first non official President of Ludhiana Municipal Council to which office he was elected in 1922 Address President, Municipal Council, Ludhiana

HAYLES, ALFRED ARTHUR, Editor and Managing Director, The Madras Mail b March 7, 1887 m Sybil Anne Copeland,

HAKSAR, COL SIR KAILAS NARAIN, Kt, 1932, CIE, Mashir-i-Khas Bahadur Political Member, Gwalior Darbar since 1912, b 20th February, 1878, s of Pt Har Narain Haksar, g of Rm Bahadur Dharam Narain Haksar, CIE, one s three d Educ Victoria College, Gwalior, Allahabad University BA, Hon Professor of History and Philosophy, 1899-1902, Private Secretary to the Maharaja Scindia from 1903-12, Under Secretary, Political Department, on deputation, 1905-1907, Capt 4th Gwalior Imperial Service Infantry, 1902, Major 1907, Lt-Col 1910, Col 1924, Senior Member Board of Revenue, 1910-13, Director, Princes Special Organisation on deputation, 1 Feb 1928 to 15 Dec 1928, and since 1st December 1929 upto April 1932, Nominated Member to the Indian Round Table Conference both Sessions, also served on the Federal Structure Committee and its Sub Committees, Mr Thomas Army Committee and Peel Committee, nominated to serve on the Federal Finance Committee of the Round Table Conference in India, served as Secretary-General of the Indian States Delegation to the Round Table Conference, also represented Government of His Highness of Jammu and Kashmir at the 2nd Round Table Conference Publications (with H M Bull) Madho Rao Scindia, 1925, (with K M Panikkar) Federal India, 1930, occasional articles on social and literary subjects in the Asiatic Review, Address Gwalior, Central, India

HALL, MAJOR RALPH ELLIS CARE, CIE, I.A., Mily Accts Dept, Field Controller, Poona, b 1873 Joined army, 1894, Major, 1912 served Tirah 1897-98, European War, 1914-17, Address Poona

HAMILL, HARRY, BA, Principal, Elphinstone College b 3 Aug 1891 m Hilda Annie Shipp Educ Royal Academical Institution, Belfast, and Queen's University, Belfast After graduation served in British and Indian Army Appointed to the IES, in 1919 Address Elphinstone College, Bombay

HAMMOND, WILLIAM HENRY, MA, JP, FRGS, MRST, VD, Principal, Anglo Scottish Education Society Lt Col Commanding, Bombay Battalion, 1931 b April 20, 1886, m Dorothy Dymoke, d of late H Dymoke of Scriveloby Hall, Lincolnshire Educ Warwick School, Worcester Coll, Oxford, Trinity Coll, Dublin

HAMPTON, HENRY VERNER, BA (Dub) (First Class Hons and Gold Medalist in Philosophy), Dip Ed MA, JP, Fellow of the Bombay University, Principal, Secondary Training College, Bombay b 1 May 1890 m Stella, only d of the late Sir George Townsend Fenwick, KCGM Educ Trinity College, Dublin Appointed to IES, 1913, Prof, Gujarat College, Ahmedabad and Elphinstone College, Bombay, 1914-20, Vice-Principal, Karnatak College, Dharwar, 1920-23, Principal, Karnatak College, Dharwar, 1923-30, Principal, Secondary Training College since 1930

Publication Editor, 'Indian Education,' 1919-23 Address Secondary Training College, Cruickshank Road, Bombay

HAR BILAS SARDA, DIVAN BAHADUR, 1932, FRSL, MREAS, FES, Member, Legislative Assen bly b 3 June 1867 Educ Ajmer Government College and Agra College Was a teacher in Government College, Ajmer, was transferred to Judicial Department in 1892, apptd Guardian to H H the Maharaja of Jaisalmer in 1894, reverted to British service in Ajmer Merwara in 1902, was Subordinate Judge, First Class, at Ajmer till 1919 and was Sub-Judge and Judge, Small Causes Court, Beawar, till 1921, Judge, Small Causes Court, Ajmer, 1921-23, officiated as Addl Dist and Sessions Judge and retired in Dec 1923, and was Judge, Chief Court, Jodhpur Elected Member, Leg Assembly, from Ajmer-Merwara Constituency in 1924 and re-elected in 1927, and again in September 1930, is Dy Leader, Nationalist Party in Legislative Assembly Presided over Indian National Social Conference at Lahore, 1929 and All-India Vaisya Conference at Bareilly in 1930, was a member of the Primary Education Committee appointed by the Government of India and of the General Retrenchment Committee, Government of India and General Purposes Committee, has long been a member of the Standing Finance Committee of Government of India Author of Child Marriage Restraint Act, popularly known as the "Sarda Act", also Ajmer-Merwara Court Fees Amendment Act and Juvenile Smoking Prevention Act, both passed by the Legislative Assembly Publications Hindu Superiority, Ajmer Historical and Descriptive, Maharana Sanga, Maharana Kumbha, Maharaja Hammir of Ranthambhor, Prithviraj Vijaya, is Editor of the Dayanand Commemoration Volume and is Secretary of the Paropakarami Sabha of India Address Civil Lines, Ajmer, Rajputana

HAR PRASADA, RAI BAHADUR, VAKIL BIJNOR, UP b March, 1878 Educ Agra College Started practice, 1903, founded Udiyog Sahayak Co in 1910 and was its Managing Director and Vice Chairman for 12 years, Conducts Bijnor War League and was its Vice-President Awarded Gold Watch for Public Meritorious Services in 1920, Awarded Medal in connection with Wembley Exhibition in 1925 Organised Aman Sabha and Daranagar Fair, 1922 and industrial exhibition at Nagina, 1923, started Govt Dible Industrial School, elected member British Empire Exhibition Committee, UP, appointed member Standing Committee of Co operators 1925, Hon Editor of the U P Vernacular Co-operative Journal, 1927 and 1930, Life Member, Dufferin Fund Association, Member, Provincial Committee of Co operative Union Ltd, 1929, Jt Secretary, Zemindars' Association, Bijnor, awarded sanad for services in connexion with Locust Operation, 1930 Awarded Sanad in 1932 for meritorious services in Civil Disobedience Publications Non-Co operation Ka Kicha Chutha in Urdu in 1922 Brief sketch of the Life of Sir

War, France and Belgium, 1911-19 (Despatches, D S O M C). Joined Queen's Westminster Rifles, 1911, Commissioned Welch Regt December 1911, later commanded 13th Battalion same Regt (Lieut Colonel) Address Byeulla Club, Bombay

HOLLINS, SAMUEL THOMAS, CIL (1931), Inspector General of Police, U P b October 6 1881 m Ethel youngest d of J Sheffield Esq, Montnotte, Carlisle Free State Educ Queen's University, Cork Joined Indian Police, 1902, as Asst Supdt of Police served in various districts as Asstt and as Supdt of Police, Asst to D I G, C I D and Personal Assistant to G. Seconded to Tonk State Rajputana, as I G Police, 1915-18 Judicial Member, Tonk State 1921-1925, D I G J Range U P 1928-1930, D I G C I D, U P 1930-31, appointed Inspector-General of Police, April 1931 Degree of Honour, Urdu High Proficiency Hindi, Police Medal 1918 Publications Tonk State Police Reorganisation Scheme, Tonk State Police Manual, Tonk State Criminal and Civil Court Manual, the Criminal Tribes of the U P Address Lucknow U P

HOOPER, REV WILLIAM, D D, Missionary, CMS Translator, Mussoorie, since 1892, b 1837 Educ Cheltenham Preparatory School, Bath Grammar School Wadham College, Oxford, Hebrew Exhibition, Sanskrit Scholarship, 1st class in Lit Hum B A, 1859, M A, 1861, D D, 1887 Went to India, CMS 1861 Canon of Lucknow, 1906-1919, Vicar of Mount Albert, New Zealand, 1889-90 Publications The Hindustani Language, Notes on the Bible and many smaller works in English, Hindi and Urdu Address Mussoorie India

HOWELL, SIR EVELYN BLAKELEY, KCIL, CSI, Foreign Secretary to Government of India b Calcutta 1877 m 1912, Laetitia Cecilia Educ Charterhouse, Emmanuel College, Cambridge, entered ICS, 1900 Political Assistant, N W F P 1906, Deputy Commissioner, 1907, Dist Judge, 1907, served Zekhr Khel Expedition 1908, Dy Commissioner, Kohat, 1910, H M S Consul, Muscat, 1916, Dy Commissioner, Bishrah Wilayet, 1917, Military Governor, Baghdad, 1918, Revenue Commissioner, Mesopotamia, 1918-20, Deputy Foreign Secretary, 1922, Offg Foreign Secretary, 1923-24 and 1926-27, Resident in Waziristan 1924-28, Resident in Kashmir, 1927-29, President of the Frontier Defence Committee under the Government of India, 1924 Publications Contributions to the N W F Provinces Gazetteer and various articles Address Government of India, New Delhi and Simla

HUDSON, SIR LESLIE SEWELL, KT, Member, Legislative Assembly from Sept 1932 b 25 Nov 1872 Educ Christ's Hospital Joined P & O S N Company, London, 1889, and came to their Bombay Office, 1894, subsequently stationed at Japan, China and Australia, returning to Bombay, 1915 Joined Messrs Mackinnon Mackenzie & Co, October 1916 Deputy Chairman, Bombay Chamber

of Commerce 1923-24 President, 1924-25, 1927-28 Member, Bombay Legislative Council 1923-26, 1927-28 Member Legislative Assembly, 1932-1933, and 1934 Address P O Box 122, Bombay

HULLIAM, COLONEL WILLIAM TAYLOR CHURCHILL, O B I, M C, V D, J P, A M Inst Mech Engineer, Local Representative, India, Sir W G Armstrong, Whitworth and Co Ltd, Managing Director, Craven Brothers (India) Ltd b 1850 Pupillage with Greenwood and Batley, Ltd (Leeds) with Canadian Pacific Railway, 1904-1906, with Babcock and Wilcox Ltd, Calcutta and Bombay, 1907-1914, served with 1st Bn, West Yorkshire Regt, 1914-1916, Commanded ditto 1916 (France), D A Q M G XIVth Army Corps, France (1916) Ditto 16th (North Midland) Division, France, 1917, A Q M G, XVth Army Corps, France, 1918, A A & Q M G Tanks Corps, Army of Occupation, 1919 Brevet, O B I, M C, Despatches (four times) 1914 Star, Croix de Guerre (Belge) Deputy Chief Controller, Government of India Surplus Stores, 1920-22 President, Society of Yorkshiremen in Bombay, 1929-30 and 1932, Honorary V D C to the Viceroy, Hon President, Magistrate Address Byeulla Club, Bombay

HUSAIN, SYED ABHAS, Principal Librarian of the State Library, Hyderabad b 1884, Educ Nizam's College, Hyderabad Deccan, Delegate to the Oriental Conference at Calcutta 1922, Delegate to the All Indian Libraries Conference at Madras, 1923 Publications A Supplemental Catalogue of the Arabic and Persian Manuscripts and Books in the State Library Address The State Library, Hyderabad, Deccan

HUSSAIN, SIR AHMED, NAWAB AMIN JUNG BAHADUR, M A, B L, LL D, CSI (1911), Nawab (1917), KCIE, (1922) Peshi Minister, i.e. Minister-in-Waiting on H E H the Nizam since 1915 and Chief Secretary to H E H's Government b 11 Aug 1863 m Latima Lady Amin Jung, 1907 Has 6s 3d Educ Christian College and Presidency College, Madras, Governor's Scholar, High Court Vikil (1890), Advocate (1928), Deputy Collr and Magistrate, 1890-92, Asstt Secretary to the Nizam, 1893, Personal Secretary to Nizam, 1895, Chief Secretary to Nizam's Govt, 1905 Publications "Notes on Islam", articles in Periodicals Address Amin Munzil, Sanabad, Hyderabad, Deccan

HYDARI, SIR AKBAR, NAWAB HYDAR NAWAB JUNG BAHADUR, Finance Minister, Hyderabad b 8 Nov 1869 m Ameer Najmuddin Tatabai (Kashmir-Hind Gold Medal) Cr Knight (1928) Educ St Xavier's College, Bombay, Joined Indian Finance Dept, 1888, Asstt Acctt General, U P, 1890, Dy Acctt General, Bombay, 1897, Dy Acctt General, Madras, 1900, Examiner, Govt Press Accounts, 1901, Comptroller, India Treasuries, 1903, C P, 1964, lent as Acctt General, Hyderabad State, 1905, Financial Secretary, 1907 Secretary to Government, Home Dept, (Judicial Police, Education, etc),

1928 *Educ* London and Paris free lance journalism, London, till 1912, joined staff of the Madras Times 1912, became Asst Editor, The Madras Mail, 1921 *Address* Sunnyside, Royapettah Road, Madras

HENDERSON, ROBERT HERRIOT, C I E, Tea Planter (retired), Supdt of Tarrapur Company's Tea Gardens, Cachar, Assam, Chairman, Ind Tea Assoc, Cachar and Sylhet. Represented tea-planting community on Imp Leg Council, 1901-2, when legislation regulating supply of indentured coolie labour was under consideration. Was Member, Legislative Council of E Bengal and Assam, President, Manipur State Durbar, 1917-18 *Address* Bengal Club, Calcutta

HERAS, HENRY, S J, M A, Professor of Indian History, Director of the Indian Historical Research Institute, St Xavier's College, Bombay University, Professor of History and Ancient Indian Culture, University of Bombay, Corresponding Member of the Historical Records Commission for the Bombay Centre. Member of the International Committee of Historical Sciences b September 11, 1888 *Educ* Barcelona (Spain), Cleveland, Ohio (U S A). Professor of History, Sacred Heart College (Barcelona), Principal, Our Saviour's College, Saragossa (Spain). *Publications* History of the Manchu Dynasty of China (In Spanish), 3 Vols. The Conquest of the Fort of Asirgarh by Emperor Akbar (according to an eye-witness) (in Ind Ant). The City of Jinji at the end of the 16th Century (*Ibid*), The Portuguese Fort of Barcalor (*Ibid*), The Prison of European Sadasiva Raya (*Ibid*), Venkatapuraya I and the Portuguese (Journal of the Mythic Society). The Statues of the Niyaks of Mudura in the Pudu Mantapam (*Ibid*). Early Relations between Vijayanagara and Portugal (*Ibid*). Asoka's Dharma and Religion (*Ibid*), Historical Carving at Vijayanagara (*Ibid*). Goa, Viragal of the time of Harihar II of Vijayanagara (*Ibid*). The story of Akbar's Christian Wife (Journal of Indian History), The Palace of Akbar at Fatehpur-Sikri (*Ibid*), The Great Civil War of Vijayanagara, (1614-1617) (*Ibid*), Seven Days at Vijayanagara (*Ibid*). Rama Raya, Regent of Vijayanagara (Indian Historical Quarterly), The Last Defeat of Meherakula (*Ibid*), Relations between Guptas, Kadambas and Vakatakas (Journal of the Bihar and Orissa Research Society), The Royal Patrons of the University of Nalanda (*Ibid*). Rama Deva Raya II, an Unknown Emperor of Vijayanagara (*Ibid*). The Portuguese Alliance with the Muhammadan Kingdoms of the Deccan (Journal, B B & A S), A Note on the Excavations at Nalanda and its History (*Ibid*), Three Mughal Paintings on Akbar's Religious Discussions (*Ibid*), Two Controversial Points in the Reign of Samudra Gupta (Annals of the Bhāndarkar Institute). The Decay of the Portuguese Power in India (Journal of the Bombay Historical Society), Three Catholic Padres at the Court of Ali Adil Shah I (*Ibid*), A Historical Tour in search of Kadamba Documents (*Ibid*), A Newly Discovered Image of Buddha near Goa (*Ibid*), Pre-Portuguese Remains in Portuguese

India (*Ibid*), Some Unknown Dealings between Bijapur and Goa (Proceedings of the Indian Historical Records Commission). A treaty between Aurangzeb and the Portuguese (*Ibid*), Jehangir and the Portuguese (*Ibid*), The Expansion wars of Venkatapa Nayaka of Ikeri (*Ibid*), A Paper Sanad of Basavayya Nayaka of Ikeri (*Ibid*), Krishna Deva Raya's Conquest of Rachol (Journal of the Royal Asiatic Society of Great Britain and Ireland), Tripurvata (Journal of the Karnataka Historical Society), A Realistic School of Indian Sculpture in the 16th Century (Journal of the Univ of Bombay). The Writing of History, Notes on Historical Methodology for Indian Students (Madras, 1926). The Aravidu Dynasty of Vijayanagara, Vol I, 1542-1614 (Madras 1927). Beginnings of Vijayanagara History (Bombay, 1929), The Pallava Genealogy (Bombay, 1931), The Conversion Policy of the Jesuits in India (Bombay, 1933) *Address* St Xavier's College, Bombay

HIDAYATALLAH, THE HON. SIR GHULAM HUSSAIN, K C S I (1933) b Jan 1878 *Educ* Shikarpur High School, D J Sind Coll and Govt Law School, Bombay, Pleader. Member and elected Vice-President, Hyderabad Municipality, Presdt, District Leg Council, Local Board, Hyderabad, and Member, Bombay for past 14 years. Minister of Govt in charge of Local Self-Government, 1921. Member of the Executive Council since June 1928—May 1934 *Address* The Secretariat, Bombay

HIGHET, J C, AGENT, North Western Railway, India, b 1884 *Educ* Ayr Academy and Blairlodge, Royal Indian Engineering College, Cooper's Hill. Appointed Asst Engineer, P W D (Railways Branch), India, 1905, posted to Eastern Bengal Railway and employed on construction of Golahganj Gauhati extension, afterwards becoming sub divisional officer, Saidpur, services lent to Kashmir Government and subsequently posted to the British section of Kashmir Railway survey, via Abbottabad, transferred to Oudh and Rohilkhand Rly in 1910 as Personal Assistant to Manager, in 1914 was placed on special duty to investigate realignments and other works in the vicinity of New Delhi, Asst Secretary (Stores), Indian Railway Board, 1915, Asst Secretary, War Branch, 1916, Contoller, Railway Materials, 1917, Secretary to Indian Stores Purchase Committee, 1919, Asst Agent, N W Railway, 1921, and Deputy Agent subsequently, Secretary, Indian Railway Board, 1926, Director of Establishment of the Board, 1928, officiated as Agent, N W Railway from May to October 1931, appointed Agent, April 1932. Elected member of Institution of Civil Engineers, 1910 *Address* Lahore

HOBBS, HOWARD FREDERICK, D S O, M C, J P, Staff Officer, B B & C I Railway b 1 January 1880 *Educ* Entered East India Merchants business, Germany, 1900-1904, Manchester 1904-6. Joined Grandage & Co, Calcutta, 1907, Manager, Forbes Forbes Campbell & Co, Bombay, served European

Asst Commr, 1894, British Agent in Cabul, 1903 06 *Address* Khwajabad, District Shahpore, Punjab.

JACKSON, GILBERT HOLINSHEAD BROMFIELD, M A (Oxon), ICS, Pulse Judge, Madras High Court *b* 26th Jan 1875 *m* to Mrs Jackson *Educ* Marlborough College, Merton College Indian Civil Service *Address* High Court, Madras

JADHAV, BHASKARRAO VITHOJIRAO, M A, LL B, M A *b* May 1867 *m* Bhadrathi btl, a lady from the Mehre family of Ratnagiri District *Educ* Wilson College, Elphinstone College, and Government Law School Served in Kolhapur State and retired as Revenue Member of the State Council Started the Marathi Educational Conference in 1907 and revived the Satya Shodhak movement in 1911, and has been in the Non Brahmin movement in the Presidency from its inception Represented the claims of the Maratha and allied Communities before the joint Parliamentary Committee in England in 1919 and secured seven reserved seats for them was nominated member of the Legislative Council in 1922 and 1923 and represented Satara in the last two elections Minister of Education, 1924-26 and Minister of Agriculture, 1928-1930 Leader of the Non Brahmin Party in the Bombay Presidency, President of the Satyashodhak Samaj, 1920 30 Elected Member, Legislative Assembly, to represent Central Division, Delegate to Round Table Conf, 1930 31, Associate Member of the Reorganisation Committee, Bombay Chairman, Board of Directors of the Warden Insurance Co, Ahmedabad *Address* Shahu puri, Kolhapur

JAFRI, DR S N A, B A, Bar at Law, M R A S (London), Gold Medalist and Life Member of the International Historical Society of France, Deputy Director of Public Information, Government of India, Home Department *b* 1887 Graduated with distinction from Allahabad University in 1906 *Ad* Called to the Bar from the Honble Society of Gray's Inn, London, in 1929 Sometime Research Scholar in Economics at the London School of Economics LL B of Kansas, USA Specialised in the art of public speaking and in Indian Finance at London Member of UP Civil Service Worked as Census Officer in UP Was on special duty as Recruiting Officer during the War, Land Acquisition Officer, Survey Officer of Nazul buildings and Lands, Income Tax Officer, Nazul Officer and Election Officer, Worked as Provincial Publicity Officer to U I Government *Publications* "History and Status of Landlords and tenants in the UP" "An Introduction to the assessment of Income-Tax," etc *Address* Home Department, Government of India, Simla and New Delhi

JAGATNARAYAN, PANDIT, Advocate, Chief Court of Oudh, and Vice Chancellor of the Lucknow University *b* Dec 1863 *m* Srimati Kamalapati, *d* of P Sham Narayan Sahab Raina *Educ* Canning Coll, Lucknow, non official Chairman, Lucknow Municipality,

Chairman, Reception Committee, 31st Indian National Congress, Member, Hunter Committee, was Minister, U P Govt, for Local Self-Government and Public Health *Address* Golaganj, Lucknow

JAMIS, IRFREDICK INFEST, M A, O B F (1918), Chevalier de l'ordre de Leopold (1920), *b* 1891 *m* Eleanor May Thackeray (1919) *Educ* Leeds and London University Army, 1914-15, Belgian Red Cross, Y M C A, Abbeville Amiens Tank Corps, 1916-19 General Secy, Belgium and Occupied Germany, 1919 20, General Secretary, Calcutta, 1920, Member, Bengal Legis Council, and Whip of European Group, 1924 28, visited Persia, Welfare British Employees, A P O C 1924, President, Calcutta Rotary Club, 1925 26, visited Java re establishment of Y M C A 1927, Political Secretary, U P A S I, 1929, Member, Madras Legis Council Councillor, Madras Corporation, Member, Senate Madras University, Madras Retrenchment Committee 1931, Madras Franchise Committee and P W D Reorganisation Committee, 1932, Member, Legislative Assembly Hon Commissioner for Rotary Clubs in India, Burma, Ceylon, Java Straits and Siam *Address* Madras Club, Madras

JAMES, MAJOR-GENERAL Sir (WILLIAM) BERNARD, KT, 1925, C B (1919) C I L, (1912), M V O, (1911) *as* of the late William James 12nd Royal Highlanders, the Black Watch, and of Otterburn Tower, Northern Ireland *b* 8 Feb 1865 *m* Elizabeth Minto, *d*, of late William Minto of Tingri Estate, Assam two *Educ* U S College and Sandhurst, 1st Commission in 1886, Derbyshire Regiment, 1888, 2nd Lancers Intelligence Branch War Office, 1900 01, South African War, 1902, various staff appointments in India, A Q M G, Coronation Durbar, 1911 D A & Q M G Corps, France, 1914-15, Brig-General, General Staff, France, 1915-16, (Despatches) Brevet-Colonel Temp Q M G, India, 1916 17, Major-General, Administration, Southern Command, 1917-19 Commanding Bombay District, 1919 22, Director of Remounts, India, 1922 26 Founder and thrice President of the National Horse Breeding and Show Society of India, 1923 and Editor, "Horse Breeding" *Address* C/o Messrs Grindlay & Co Ltd, Bombay

JAMIAT RAI, DIWAN RAI BAHADUR, C I L, DIWAN BAHADUR, Kaisar-i-Hind Gold Medal 1930 *b* 1861, *y* 1891 *Educ* Bhowan, Kokat, and Gujarat Ent Govt Service, 1880, served in 1880, Political Office with Kuram F F, 1880, accompanied Afghan Boundary Commission, 1885-1886, special duty boundary settlement of Laghari Birkhan, 1897, Asst to the Superintendent of Gazetteers of Baluchistan, 1902 1907, services acknowledged by Govt of India, on special duty in connection with revision of Establishments, 1910, Asst to Supdt of Census Operations, Baluchistan, 1910-11, Ex Asst Commr, 1902 Settlement Officer, Baluchistan, 1912, Provincial Superintendent of Census for Baluchistan, 1920 22, Patron, Hindu Panchayat, Vice President

1911, Ag Director General of Commerce and Industries, 1919, Accountant General, Bombay, 1920, Finance and Railway Member, Hyderabad Executive Council, 1921, Official Director, Shahabad Cement Co., Ltd., 1922, Official Director, Singareni Collieries Co., Ltd., 1922, President, N S Railway Board, 1930 and Mining Boards, 1925, Chairman, Inter University Board, 1925, first President, Hyderabad Educational Conference in 1915, President, All-India Mahomedan Educational Conference, Calcutta (1917), delivered Punjab University Convocation Address, 1925, Fellow of the Bombay, Decca, Aligarh Muslim and Hyderabad Usmnia Universities and ex-fellow, Madras University. Conceived and organised Osmania University, Hyderabad, organised State Archaeological Department, especially interested in Ajanta Frescoes and Indian Paintings, also Urdu type. Head of Hyderabad Delegation to Round Table Conference. Address Hyderabad, Deccan

IMAM, SIR SYED ALI, KCIL (1914), CSI (1911) *b* Noori (Patna), 11 Feb 1869 *s* of Nawab Syed Imad Imam, Shamsululama, *m* 1891, five *s* four *d* *m* 1916 Mary Rose who *d* 1916, *d* of Alfred Saupin, of Chandranagore. Called to Bar, Middle Temple, 1890, Standing Counsel, Calcutta High Court, President, 1st Session of the All-India Moslem League held at Amritsar, 1908, Mem, Moslem League Deput to England, 1909, Member of Governor's Legislative Council, Bengal, 1910, Fellow of Calcutta University, 1908-12, Law Member of Governor-General's Council, 1910-16, Puisne Judge of Patna High Court, 1917, Member, Executive Council of Bihar and Orissa, 1918, President, Executive Council of the Government of the Nizam of Hyderabad, 1919, First Indian Representative to sit at the first meeting of the League of Nations, Nov 1920. Address Mariani Munzil, Patna also Bella Visti, Hyderabad (Deccan)

INDORE, MAHARAJA OF H H MAHARAJA DHIRAJA RAJ RAJESHWAR SAWAI SHRI TUKOJI RAO HOLKAR, BAHADUR G C I E, *b* 26th November 1890. Educ Mayo Chiefs' College, Ajmere, Imperial Cadet Corps. Visited Europe, 1910, attended Coronation, 1911, again visited Europe, 1913 and 1921, abdicated 27th February 1926. Heir Prince Yeshwantrao Holkar, *b* 1908. Address Indore, Central India

ISHWARDAS LUKHMIDAS, J P, Yarn Merchant, *b* 1872. Educ St Xavier's School. For many years connected with Messrs David Sassoon & Co, Member of the Municipal Corporation, Member, Managing Committee of the Society of the Hon Presidency Magistrates of Bombay and is on the directorate of several well-known companies including the Port Canning and Land Improvement Company, the Sassoon Spinning and Weaving Company, Ltd, the Sassoon and Alliance Silk Mill Co, Ltd and the Union Mills, trustee of Sir Harkisondas Narottam General Hospital, and Treasurer

for Pechey Phipson Sanitarium for Women and Children. President of the Managing Council, Sir Harkisondas Narottamdas General Hospital, Member of the Managing Committee of the Lady Northcote Hindu Orphanage and Member of the Board of David Sassoon Industrial and Reformatory Institute. President, Managing Committee of the Society of Hon Presidency Magistrates of Bombay, Director Bundi Portland Cement, Ltd, and Punjab Portland Cement, Ltd, Member, Managing Committee, Goculdas Tejpal Hospital Nursing Association, Member, Managing Committee of the Helpless Beggars and Vice-President of his own community. Sheriff of Bombay, 1921. Member of the Auditors' Council and Hon Treasurer of the Bombay Vigilance Association. Director, Lonala, Khandala Electric Supply Co, Ltd, Director, Pinvel Taluka Electric Co Ltd and Nisk-Deolali Electric Supply Co, Ltd. Member of the Managing Committee, H E the Governor's Hospital Fund. Address Garden View, Hughes Road, Bombay

ISAR HASAN KHAN, THE HONBLE KHAN BAHADUR, DABHUL-MULLA, SH MAULVI MOHAMMAD, KT, CIL, *b* Shahjahanpur, 1865. *m* Lady Israr, daughter of Malik Mohammad Azmatullah Khan, Rais of Shahjahanpur 1886. Educ Shahjahanpur and Buncill Mansurul Umara, Home Member and President, Judicial Council, Bhopal, Retired 1927, Nominated Member, Council of State, 1931. Address Talikhotli, Shahjahanpur

ISWAR SARAN, MANSI, B A (Allahabad), Advocate, Allahabad High Court, *b* 26 Aug 1874, *m* Srimati Mukhrani Devi. Educ Church Mission High School and Jubilee High School, Gorakhpur, U P and Muir Central College, Allahabad, Member, first and third Legislative Assembly, was a member of the Court of Allahabad University, is a member of the Court of the Benares Hindu University, President, Kayastha-Pathshala, Allahabad, 1925-29, was Joint Secretary of Crosthwaite Girls' College, Allahabad, Hon Secretary, MacDonnell Hindu Boarding House, Allahabad, Hon Secretary, U P Industrial Conference, Political and Social Conferences, some time Member, All India Congress Committee, President, U P Political and Social Conferences, Hon Secretary, Reception Committee, Indian National Congress, 1910, Elected a member of the Court of Allahabad University for 3 years 1931, Elected member of the Executive Council of the Allahabad University, 1931. President of the Allahabad Swadeshi League and of the Allahabad servant of the Untouchables Society, went to Europe four times and delivered speeches and wrote in the press on India. Address 6, Edmondstone Road, Allahabad, U P

IZZAT NISHAN, KRUDA BAKHASH KHAN TIWANA Nawab, Malik, Dist Judge, Dera Ghazi Khan *b*, 1866. Educ Government High School, Shahp., private training through Col Corbyn, Deputy Commissioner. Appointed an Hon. Magistrate, 1881. Extra

Leader of the Nationalist Party there from 1927 to 1930 March. Leader of the Opposition in 1930 Simla session, was a delegate to the Indian Round Table Conference in London and member of Federal Structure Committee, Publications Edited a book on Vedanta Philosophy in 1924 Address Winter Road, Malabar Hill, Bombay

JAYANTI RAMAYYA PANTULU, B A, B L b Aug 1861 Educ at Rajahmundry and Madras Served in Rev Deptt in Madras Presidency and retired as 1st Grade Depy Collr, 1917, acted as Presidency Magistrate, Madras, for three years Ex Member, Legislative Assembly Publications A defence of literary Telugu and several articles on literature, history and archaeology Also Telugu translations of the Sanskrit drama Uttararama Charitam and Amaruka Kavyam Editor of the Suryavaya Telugu Lexicon being published by the Telugu Academy Address Muktisvaram, East Godavari Dist

JEEFANI, KHAN SAHEB DR HAJI SYED ABDUL KHADEP SAHIB, EA Member, Legislative Assembly and retired Medical Officer and Superintendent of District Jail b July 1867, m d of Subadar Major Yacoub Khan Saheb Sirdar Bahadur Educ at Saint Thomas Mount, Madras Was Member, Cantonment Committee, for 14 years, member, district board for 12 years of which for 3 years was Vice-President and Hon Magte for Madras for seven years Address Saint Thomas Mount, Madras

JEFFERY, COLONEL WALTER HUGH, C I E (1914), C S I (1924), General Staff, Army Headquarters, b 15 Dec 1878 m Cicely Charlotte Cowdell Educ at Blundells Tiverton and Plymouth College Address Simla

JEFFREYS, LIEUT-GENERAL SIR GEORGE DARELL, K C B (1932), K C V O (1924), C M G (1916), J P (1906), D L (1920), G O C in Chief, Southern Command, India b 8 March 1878 m to Dorothy, d of J P Heseltine of Walhampton, Hants, and widow of Lionel, Viscount Cantelupe (Viscountess Cantelupe) Educ Eton and R M C, Sandhurst Served with Grenadier Guards in Nile Expedition, 1898 and in South African War, 1899-1902 and in Great War, 1914-18, Commandant, Guards Depot, 1911-14, Commanded 2nd Bn Grenadier Guards, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 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3658, 3659, 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3786, 3787, 3788, 3789, 3790, 3791, 3792, 3793, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806, 3807, 3808, 3809, 3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3819, 3820, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 3828, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 383

Dufferin Fund Committee, Member, Prov Council Boy Scouts, and also Provision Ex Committee Red Cross Society Grammar School Committee V P McMahon Museum Committee One of the founders and patrons of Browne Gymkhana and of Sandeman Library and Vice Chairman of Quetta Municipality Publications Quetta Municipal Manual, History of Freemasonry in Quetta, Reports on the settlement of Duki and Bakkhan, Notes on (1) Domesticated Hindus, (2) Hindus of Kandahar and Ghani, (3) Parbhai menial castes and sweepers, (4) Afghan Pawindhas (5) Achakzai Pathans, (6) Shinwar (7) Shorrud valley and (8) Revenue rates and conditions (9) Nuts— a wandering tribe, (10) Kharan State, (11) Hindus of Dhadar, (12) Cottage Industries of Baluchistan, (13) Administration of justice in rural areas of Baluchistan, (14) Notes on the study of the Brahui Language, (15) Manual (in Urdu) of Pushtu conversation (16) Translation into English of Balochi Text Book, and (17) Translation into Urdu of Bengali Garih dharan, (18) Manual of Customary Law for Baluchistan, Address Quetta

JAMMU AND KASHMIR, Col H H THE SHRI MAHARAJA HARISINGH BAHADUR, INDIR MAHENDAR Sipar-i-Saltanat-i-Inghishia, GCSI (1933), GCIE (1929), KCIE (1918), KCVQ (1922), Honv ADC to HIM the King Emperor (1931), son of the late Gen Raja Amarsinghi, KCSI Salute 21 guns, b 1895, s in 1925 his uncle Lt-Genl H H Shree Maharaja Iratapsinghi Bahadur Sipar-i-Saltanat-i-Inghishia, GCSI GCIE, GBE, LLD Educ at Mayo College Ajmere and the Imperial Cadet Corps, Dehra Dun *Heir Apparent* Shree Yuvaraj Karansinghi, b 9th March 1931 at Cannes (S France) Address Jammu Tawi and Srinagar-Kashmir

JAMSHED NUSSERVANJI, Merchant b 7th January 1886 Educ at Karachi Member of Municipality, 1911, President of Municipality, 1922-33, Asst Provincial Commissioner of Scouts in Sind, and Chairman, Buyers and Shippers Chamber, Member, Karachi Port Trust, Chairman, Sind Central Co-operative Bank, Ltd Publication Karachi Municipality as at present and its future, and Reconstruction of Civil Life Address Bonus Road, Karachi

JANAKSINGH, MAJOR-GENERAL RAI BAHADUR, BA, CIE, Bahadur b 1877 Educ Joined Kashmir Service in 190, serving in various capacities both in Civil and Military Deptts In the Civil Branch as Naib Tehsildar, Tehsildar, Dist Magte and Sessions Judge and finally as Revenue Minister In the Military Branch as Dy Asst Quarter-Master General, Brigade Major, O C the 2/2 Kashmir Rifles and 3rd Kashmir Rifles Got Afghan War Medal 2nd Class order of British India, 1919, Military Secretary to Commander-in-Chief, Jammu and Kashmir State Forces, and Army and Revenue Minister, Jammu and Kashmir Government and now Army and Public Works Minister Retired from State Service, May 1932 Address P O Khara, via Palanpur

JARMANI DASS, SIRDAR, OBE, Minister-in-Waiting and Household Minister, Kapurthala State b 4 September 1893, Sultanpur, Kapurthala State Educ at the Punjab, Oxford, and Sorbonne (France) Universities Attended the League of Nations at Geneva, 1926, 1927 and 1929 as a Member of Indian Delegation, adviser to the Princes' Delegation at the first Round Table Conference in 1930 and a Delegate to the second Round Table Conference, 1931 Retired from Kapurthala State service in 1933, joined His Highness of Patiala's Government in 1933 in charge of portfolios for Forests and Agriculture Holds First Class Order of Nishan-i-Itikhar of Kapurthala State Legion d'Honneur (France), Star of Military Merit of Spain, Star of Merit of Cuba, Order of Sun and Lion (Persia), Order of the Nile (Egypt), Order of (Morocco), Order of Abyssinia and First Class Order of Chih and Order of Bhawalpur State Address Patiala

JATKAR, BHIMRAO HANMANTRAO, BA, LLB, Pleader b 24 April 1880 m to Annapurnaba Jatkari Educ at Basim A V School, Amraoti High School, Fergusson College, Poona, and Govt Law School, Bombay Joined Yeotmal Bar in 1906, a Congressman working as one of the Joint Secretaries of the District Association, Yeotmal, since its inception in 1915, non official elected Chairman, Yeotmal Municipality, since 1919, President of the Co-operative Central Bank Ltd, Yeotmal, Deputy President, Berar Co-operative Institute Ltd, and Vice-President, District Association, Yeotmal Address Yeotmal (Berar)

JAVIE, MORISHWAR CHINTAMAN, DR, JP, and Hon Presidency Magistrate since 1912 b 12 Oct 1880 m Miss Mogre Educ Elphinstone and Aryan Education Society's High Schools, studied in Aryan Medical School of Bombay and was a casual student of Grant Medical College, Bombay Private medical practitioner for over 30 years Elected Councillor, Bombay Municipal Corporation from G Ward in 1910, re-elected at subsequent general elections, Chairman, Standing Committee of the Corporation 1922-23, Chairman, Schools Committee, 1922, Chairman, Medical Relief and Public Health Committee 1929-30, Chairman of the Improvements Committee, 1929-30, Mayor of Bombay, April 1933-1934 Address Mayor Building, Opposite B B & C I Railway Station, Dadar, Bombay 14

JAYAKAR, MUKUND RAMRAO, MA, LLB, Bar-at-Law, Member, Legislative Assembly Educ at Bombay University Started a charitable public school called Aryan Education Society's High School in Bombay worked there four years, practised as a barrister in Bombay High Court, took to public life in 1916 and since 1921 completely in public life, elected to Bombay Legis Council in 1923 by the Bombay University Constituency, and was leader of the Swaraj Party in Bombay Council until his resignation after the meeting of the Congress in 1925 Entered Legislative Assembly as a representative of Bombay City in 1926, continued a member thereof till 1930 Deputy

Economics of Protection in India," "Economics in India," "Problems of World Economy," "India's Finance since 1921," etc
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KAMAT, BALKRISHNA SITARAM, B A, Merchant *b* 21 March, 1871 *Educ* Deccan Coll *m* Miss Yarnunabai R M Gawaskar of Cochin Member, Bombay Legis Council, 1913-16, 1916-20, Member, Legislative Assembly, 1921-23 (Liberal), Member, Kenya Deputation to England, 1923 Member of various educational bodies, has taken part in work for social and agricultural reform, lately Member, Royal Commission on Indian Agriculture, Member, Provincial Banking Enquiry Committee, Member, Bombay Leg Council, 1930-33, Member, Bombay Retrenchment Committee *Address* Ganeshkhind Road, Poona, 5

KAMBLI, SIDDAPPA TOTAPPA, B A, LL B DIWAN BAHADUR, Minister of Education to Bombay Government *b* September 1882 *Educ* at Deccan College Practised as pleader from 1906 to 1930 in Dharwar Courts, Non-Official President of Hubli Municipal Borough from 1922 to 1930, President, Dharwar Dist Local Board in 1929 and 1930, Member of Bombay Council since 1921, Deputy President, Bombay Council, 1927-30, organised first non-Brahmin Conference in Hubli in 1920, was member, Railway Advisory Committee, M S M Railway, for about two years, President over 1st Karnataka Unification Conce held at Belgaum, President over Co-operative Conference held at Shiggaon in Dharwar Dist in 1927, President, All-India Veerishiva Conference at Bangalore in 1927 Was President, Dharwar Non-Brahmin League, was Member, Lingayat Education Association, Dharwar, and Indian Women's Aid Society, Hubli *Address* 18, Queen's Garden, Poona

KANDATHIL MOST REV MAR AUGUSTINE, D D, Archbishop, Metropolitan of Ernakulam Was Titular Bishop of Arad and Co-adjutor with right of succession to the first Vicar Apostolic of Ernakulam, since 1911, *b* Chemp, Varkam, Travancore, 25 Aug 1874 *Educ* Papal Seminary, Kandy, Ceylon Priest, 1901 Parish Priest for some time, Rector of Prep Sem, Ernakulam, and Private Sec to the first Vicar Apostolic of Ernakulam to end of 1911 Consecrated Bishop, December 3, 1911 *s* Rt Rev Dr A Pareparambil as Second Vicar-Apostolic, 9 Decr 1919, Installed on 18 Decr 1919, was made Archbishop Metropolitan, 21st Dec 1923, (Suffragan sees being Changanacherry, Trichur and Kottayam), Installation 16 Nov 1924 *Address* Archbishop's House, Ernakulam, Cochin State

KANHAIYA LAL, THE HON MR JUSTICE RAI BAHADUR, M A, LL B, Judge, High Court, Allahabad, *b* 17 July 1866 *m* Shrimati Devi, *d* of Vyas Gokuldasji of Agra *Educ* The Muir Central College, Allahabad, joined the U P Civil Service on 22 April 1891 as Munsiff, acted as Subordinate Judge in 1907, appointed Asst Sessions Judge with the powers of Additional District Judge in Feb

1908, acted as District and Sessions Judge in 1910 and again in 1911, appointed Additional Judicial Commissioner, Oudh, July 1912, acted as Judge of Allahabad High Court in 1920 and subsequent years for different periods Promoted Judicial Commissioner of Oudh in 1922 Appointed Judge of Allahabad High Court again in 1923 Retired July 1926, Vice-President, Age of Consent Committee, 1928-29, Member, Hindu Religious Endowments Committee, 1928-30, Member Board of Indian Medicine, U P, since 1925, Honorary Treasurer, Allahabad University since 1927 *Publications* Elementary History of India, Dharma Shiksha or a treatise on Moral culture in the vernacular, and A Note on the Reorganisation of the Judicial Staff *Address* No 9, Dign Road, Allahabad

KANIA HAPILAL JEFERSONDAS, B A, LL B (The Hon Mr Justice) Judge, High Court, Bombay, *b* 3rd Nov 1890 *m* eldest *d* of Sir Chunilal V Mehta, KCIE, ex-Member of the Executive Council of the Governor of Bombay About eighteen years' practice at the Bombay Bar as an advocate on the original side of the High Court Acting Judge, High Court, Bombay, 1930, 1931 and 1932 *Address* 102, Ridge Road, Malabar Hill, Bombay

KANIKA, RAJA OI, THE HON'BLE RAJA SIR RAJINDRA NARAYAN BHANJA DFO, Kt, (1933), OBE (1918), Member and Vice-President of the Executive Council of the Governor of Bihar and Orissa *b* 24 March 1881 *m* *d* of late Raja Ladukishore Mandhata, Ruling Chief of Nayagarh State, Orissa, in 1899 *Educ* Ravenshaw Collegiate School and Ravenshaw College, Cuttack Assumed management of Kanika Raj from Court of Wards, 1902, Nominated Member Bengal Advisory Fishery Board, 1908 Elected representative of the Landholders of Orissa and Chota Nagpur to the Bengal Legislative Council, 1909 Conferred with the personal title of Raja, 1910 Elected representative of Orissa landholders to Bihar and Orissa Legislative Council, 1912, and again from the same constituency in 1916 Elected additional Member to Viceroy and Governor General of India's Legislative Council from Bihar and Orissa Landholders' Constituency, 1916 Co-opted Member as representative of Bihar and Orissa province to the Parliamentary Committee (Southborough) sat on the division of functions between the Central and Provincial Governments and between the Executive Council and Ministers in provincial Governments, 1918 Fellow of Patna University, 1917 to 1919 Title of Raja as hereditary distinction conferred in 1919 Elected Member of the Patna University Senate for 1919 to 1922 Elected Member from Orissa Landholders Constituency to Bihar and Orissa Legislative Council, 1921 Elected Member from Bihar, Orissa and Chota Nagpur Landholders' Constituency to the Indian Legislative Assembly, 1922 Elected Member from Orissa Landholders' Constituency to Bihar and Orissa Legislative Council, 1923 and again from the same constituency, 1926 Nomina-

MAHARAJA SIR RANDIR SINGH RAJENDRA BAHADUR, COLONEL, G C I E, K C S I b 1870, s 1887 *Address* Sangrur, Jind State, Punjab.

FINNAH, MAHOMED ALI, Bar-at-Law b 25th Dec 1876 m d of Sir Dinshaw Petit (d) *Educ* Karachi and in England Enrolled as Advocate, Bombay High Court, 1906, Pte Secretary to Dadabhai Naoroji, 1906, Member, Imperial Legis Council, 1910, President Muslim League (special session) 1920, Attended Round Table Conference, 1930, President, Muslim League, 1931 *Address* Malabar Hill, Bombay

JOHN, SIR EDWIN, KT (1922), C B E, 1921, Kt of the Order of St Gregory the Great, (Civil Order) 1901, Grand Commander St Sylvester the Great (1920), *Mail Dir b 3 August 1856 m 1870, Mary Sykes, Southport, Lancs, one d Educ* Stonyhurst *Address* Gwallor, C I

JOHNSON, THE HON JOHN NISBITT GORDON, C I E (1928), I C S, Chief Commissioner, Delhi, b 25 February 1885 Educ Rossall School, and Queen's College, Oxford (Senior Scholar) Entered I C S 1909, Under Secretary to Government, United Provinces 1915-16, Indian Army Reserve of Officers, attached 1/3 Gurkhas, 1918-19, Registrar, Allahabad High Court, 1919-24, Deputy Commissioner, Delhi, 1924, Offg Deputy Secretary to the Government of India, Industries and Labour Department, 1925, again Deputy Commissioner, Delhi, 1925, officiated as Chief Commissioner, Delhi, March-September 1928, and April-October 1930, appointed Chief Commissioner, Delhi, March 1932 *Address* Chief Commissioner's House, Delhi

JOHNSTON, SIR FREDERICK WILLIAM, K C I E, C S I, Agent to the Governor-General and Chief Commissioner in Baluchistan, b 2 Nov 1872 m 1905 Gertrude Helen, d of the late Lt-Col J Young, one s Educ Kelvinside Acad, Glasgow, Trinity Hall, Cambridge (B A, 1894) Joined the Punjab Commission as Asst Commr, 1898, went to N-W Fron, 1899, and was employed there till end of 1911, Govt of India, Finance Dept, 1911-15, Ministry of Munitions, England, 1915-17 *Address* The Residency, Bushire, Persian Gulf

JONES, CHARLES EVAN WILLIAM, B A, M A (Oxon), Honours History (1902), Director of Public Instruction and Secretary to Govt, Education Department, Central Provinces b 9th July 1879 Educ Landover College and Brasenose College, Oxford Government Educational Service, Egypt (1902-1904), Asst Master, Bromsgrove School (1904-1906), Indian Educational Service, 1906, Director, Public Instruction, N W F Province (1917-1921), and Director of Public Instruction, Central Provinces since 1921 *Address* Nagpur

JOSHI, SIR MOROPANT VISHVANATH, KT, K C I E, B A, LL B, b 1861 Educ Deccan Coll, Poona, and Elphinstone Coll, Bombay Practised as Advocate in Judicial Commr's Court in Berar from 1884-1920

Home Member, C P Govt, 1920-25, President, All-India Liberal Federation 1925, Chairman, Age of Consent Committee, 1928-29, Advocate, Judicial Commissioner's Court, C P *Address* Amratol, Berar

JOSHI, NARAYAN MAHAR, B A, M L A, J P Member of the Servants of India Soc b June 1879 *Educ* Poona New English School and Deccan Coll Taught in private schools and Govt High Schools for 8 years Joined Servants of India Soc, 1909, Sec, Bombay Social Service League, since 1911, and Sec, Bombay Presy Social Reform Assoc, 1917-1929, Sec, W India Nat Liberal Assoc, 1919-1929 Was sent to Mesopotamia by Govt of India as representative of the Indian Provs, 1917, and in 1920 to Washington and in 1921, 1922, 1925 and in 1929 to Geneva as delegate of the working classes in India to International Labour Confe, Deputy Member of the Governing body of the I L O, since 1922, Kaiser-i-Hind Silver Medal (1919) Was awarded, but declined C I K In 1921 Member of the Bombay Municipal Corpn since 1919, up to end of March 1923 Nominated by Govt, a Member of the Legislative Assembly in 1921 and again in 1924, 1927 and 1931 to represent labour interests Appointed a Member of the Royal Commission on Indian Labour as Labour representative Attended Round Table Confe, 1930, 1931 and 1932 and was for sometime member of the Consultative Committee Attended the meetings of the Joint Parliamentary Committee as Indian delegate *Address* Servants of India Society, Sandhurst Road, Bombay 4

KAJIJI, ABDEALI MAHOMEDALI B A, LL B (Cantab), Bar-at-Law, late Judge, High Court, Bombay b 12 February 1871 Educ St Mary's Institution, Byculla, St Xavier's Coll, Bombay, Downing Coll, Cambridge, and Lincoln's Inn Ord Fellow, Syndic and Dean in Law of Bombay Univ, President Anjuman-i-Islam, Bombay, Islam Club and the Bombay Shareholders' Association and Vice-President, Islam Gymkhana *Address* Dilkooshi, Grant Road, Bombay

KALE, VAMAN GOVIND Professor, Fergusson College b 1876, *Educ* New English School and Fergusson Coll, Poona Joined the Deccan Education Socy of Poona, as a life member in 1907 Fellow of Bombay Univ for five years since 1919 Prof of History and Economics, Fergusson Coll, Member, Council of State, 1921-23, and member, Indian Tariff Board, 1923-25, Secretary, D E Society, Poona, from 1925 to 1928, Vice President, Bombay Provincial Co operative Institute etc Liberal in Politics, has addressed numerous public meetings, has published many articles on economics and political and social reform, and the following works "Indian Industrial and Economic Problems," "Indian Administration," "Indian Economics," "Dawn of Modern Finance in India," "Gokhale and Economic Reforms," "India's War Finance," "Currency Reform in India," "Constitutional Reforms in India,"

KEANE, SIR MICHAEL, K C S I, 1932, C S I, 1929, C I E, Governor of Assam *b* 1874, *m* 1911, one *s* two *d* *Educ* University College Dublin, Indian Civil Service, 1898, Under Secretary to Government, U P, 1906-08, Settlement Officer, Rajputana, 1910-14, Secretary to Government, U P, 1917-19, Chief Secretary, 1919-21, President, Legislative Council, United Provinces, 1921-25, Member, Public Service Commission, 1928, Commissioner, Meerut, and Member of the Legislative Assembly, 1929, Member, Board of Revenue, U P, 1930-31, Governor of Assam, 1932 Recreation Golf, tennis, fishing
Address Government House, Shillong

KELKAR, NARSINHA CHINTAMAN, B A, LL B (1894), ex-M L A, Editor, *Kesari*, Poona *b* 24 Aug 1872 *m* Durgam, *d* of Moropant Pendse *Educ* Miraj, Poona Bombay Dist Court Pleader till 1896, editor, *Mahratta*, Poona, from 1897 to 1919 editor, *Kesari* from 1897 to 1899 and again from 1910 to 1931 Municipal Councillor from 1898 to 1924, President, Poona City Municipality in 1918 and again from 1922 to 1924, President, Bombay Provincial Conference, 1920 Delegate and member of Congress Home Rule League deputation to England in 1919, elected member of the Legislative Assembly in 1923 and 1926 *Publications* Books in Marathi 6 dramas, 1 historical treatise, 1 treatise on Wit and Humour, Biographies of Bal Gangadhar Tilak and Garibaldi, History of Ireland, A treatise on Science of Politics in English, Case for Indian Home Rule, Landmarks of Lokmanya's life, "A Passing Phase of Politics" Pleasures and Privileges of the Pen *Address* Tilak Road, Sadashiv Peth, Poona City

KELKER, VINAYEK MORESHWAR, Diwan Bahadur (1933), M A, Treasurer, Nagpur University, 1931 *b* 11 Oct 1862 *m* Mrs Lakshmi-bai Kelker *Educ* Burhanpur Zila School, Free Church Institution, Nagpur, Jubulpore College, Muir Central College, Allahabad Entered Government Service as Schoolmaster Head Clerk, Clerk of Court, Extra Asst Commissioner from 1889, retired as Dist and Sessions Judge, Akola, December 1916
Address Craddock Town, Nagpur

LELYS, BRIGADIER GENERAL SIR TERENCE HUMPHRY, K C I E (1933), C S I (1926), C M G (1919) C I E (1917), *b* 28 May 1877, *m* Ldith Beatrice (Kaiser-i-Hind Medal, First Class) *d* of Lt-General A C McMahon, F R S *Educ* Hulsebury, Coll and R M C Entered Army 1897, Major 1915 Temp Lieut-Col 1918, Bt Lt Colonel 1918, Lt-Colonel, 1923, granted honorary rank of Brigadier General on retirement from the Indian Army, May 1932, served Tirth 1897-98 (wounded, despatches, medal 2 clasps), on famine duty in Central Provinces, 1900, Vice Consul Seistan and Kaim, 1903, Consul, Turbat-i-Haidari, 1906, served in Baluchistan, 1908, Pol Agent, Bahrain, 1914, served in Mesopotamia, 1915 in charge Mekran Mission 1916 (C I L) attached to Russian Army in Rumania and Carpathians (1917), special duty in Russia, 1917-1918, Brig General, General Staff, South Russia, 1919, Deputy

High Commissioner and officiating High Commissioner, South Russia, 1919-1920, served in Baluchistan, 1921-28 (C S I), British Envoy at the Court of Nepal, 1928, Resident in Gwalior, 1928-29, Agent to the Governor General in States of Western India, 1929 Resident, Hyderabad, 1930, retired 1933, Guardian to H H The Maharaja Scindia of Gwalior, President, Indian National Horse Breeding Society, is Hon Colonel, Golconda Lancers, F R G S, and F Z S
Address Gwalior, C I

KHAJA MOHAMAD NOOR, THE HON KHAN BAHADUR, B A, B L, C B E, Puisne Judge, Patna High Court (1930) Vice Chancellor, Patna University (1933) *b* 1878 *m* 1898 *Educ* Gya Zillah School Patna College Doveton Coll, St Xavier's Colleges Calcutta, Ripon Coll, Calcutta Practised as lawyer from 1904 to 1922 President, Legis Council, Bihar and Orissa, from 1922-1930
Address Patna and Gaya (Bihar and Orissa)

KHALIFA SHUJA UDDIN, M A (Punjab), B A, LL B (Cambridge), LL D (Dublin), Barrister-at-Law (Lincoln's Inn) *b* 27 Sept, 1887 *Educ* Central Model School, Lahore, Islamia and Government Colleges, Lahore, Jesus College and Fitzwilliam Hall, Cambridge, Trinity College, Dublin Hon Pr of of English Literature, Islamia Coll, Lahore, 1906-1908, Lecturer, University Law Coll, Lahore, 1917-1919, Member, Punjab Text Book Committee, 1919-1925, Fellow Punjab Univ since 1917, Member of the Syndicate of the Univ since 1921, Member, Academic Council, since 1923, Hon Secretary, Islamia College, Lahore, Hon Secy, Punjab Muslim Educational Conference, Lahore, since 1922, Hon Secretary, Punjab Muslim League, since 1919, Member of Council, All India Muslim League, Member, Executive Board, All India Muslim Conference, Municipal Commissioner, Lahore, 1927-1931 President, N W Railway Muslim Employees' Association
Address 5th Temple Road, Lahore

KHAN, SHAFAT AHMAD, B A, First Class Honours in History, 1914, Litt D, 1918, University Professor of Modern Indian History, Allahabad University, since 1921 *b* February 1893 *m* Fahmida, *y* *d* of the late Justice Shah Din, of the Punjab High Court, *Educ* Government High School, Moradabad, Universities of Cambridge and Dublin Member, United Provinces Legislative Council from Moradabad, U P 1924-30 Gave evidence before the Reforms Enquiry Committee, 1924, the Economic Enquiry Committee in 1925, and other Committees in United Provinces President of the Provincial Muhammadan Educational Conference, held at Allahabad in 1925 and 1929, founder of the English weekly, the "Star," Allahabad, Muslim delegate to Round Table Conferences, 1930-32, Delegate to Joint Select Committee on Constitutional Reforms, 1933, President, All India Muslim Conference, 1933, Honorary Secretary to Muslim Delegation to Round Table Conference, President, Calcutta Muslim Youth League, May 1931, President, All-Bengal Muslim Conference, Dacca, July 1931, President, Bengal Muslim Educational Con

ed Member of the Patna University Senate from 1927 to 1929. Member of the Committee elected by Bihar and Orissa Legislative Council to co opt with the Simon Commission, 1928. Appointed Member of the Executive Council of the Governor of Bihar and Orissa, January 1929 and Vice President of the said Executive Council, December 1931. Ex-officio Member of Patna University Senate, 1929 to 1932, and nominated Member since November 24, 1932. Address Raj-Kanika, Cuttack, Orissa, and Patna and Ranchi, Bihar and Orissa

ANITKAR, KESHAV RAMCHANDRA, M A, BSc, b 22 Aug 1876 Educ New English School at Wai and Poona and Fergusson College, Poona. Worked as Life Member and Professor of Physics in the D E Society's institutions, 1903-32, was in charge of the Boarding House, New English School in 1905 in charge of Fergusson Coll Hostels, 1906-14, in charge of Navin Narathi Shala, 1914-21, has been on the Bombay University Senate for the last 17 years, was on the Syndicate 1921-29, and on the School Leaving Examination Board for 6 years and Chairman, Poona District School Board, for six years represented western part of Poona on the Poona City Municipality for nearly 7 years and worked on the Visveshwaraya Technical Education Committee, 1920 Secretary, Physical Training Committee, appointed by the Government, 1928, Principal, Fergusson College, Poona, 1921-1929, with a short break in 1924, was given King's Commission in 1928 as a Senior Grade Officer in the Bombay University Training Corps Working as a Life Member of the Modern Education Society Prof of Physics in the Nowrosji Wadia College Poona. Elected Dean of the Faculty of Science, Univ of Bombay, for 1933-34. Address Ganesh Wadi, Ferguson College Road, Poona 4

KARANDIKAR, RAGHUNATH PANDURANG, Advocate, also admitted original Side, High Court, Bombay, Professor, Law College, Poona, and Member, Council of State b 21 Aug 1857 in Khadikar family, adopted into Karandikars, 1865 m Sakutai d of Rao Saheb Gogte of Pandharpur (1872) Educ at Satara and Poona Sub Judge (1884), Member, Bhore Forest Committee (1885), Member elected Bombay Legislative Council, 1911, attended His Imperial Majesty's Coronation at Delhi, 1912, member of all Congresses and Committees, 1886-1929, opened first Indian Conference at Ilkley, Yorkshire, 1919, Member, elected (1925) Council of State, President, Satara Dist Swaraj Party President, 1st Maharashtra Lawyers' Conference, Poona, 1928, President, Prov Postal and R M S Conference Sessions, 1928, Chairman, Board of Directors Western India Life Insurance Co, 1926-1932 Visited London in 1908 and in 1918 as the late Mr Tilak's legal adviser, also in 1929 Professor, Constitutional Law, Law College, Kolhapur. Publication Note on Land Revenue Code and Note on Agricultural Associations in 1905. Address Shanwar Peth, Satara City

KARANJIA, BEHRAM NAOROSJI, Merchant b Sept 1876 Educ Elphinstone High School and Sir Jamshedji Jeejeebhoy Parsi Benevolent Institution of Bombay. Was President of Japan and Shanghai Silk Merchants' Association, was Hon Secretary of the War Loan Committee for A Ward of Bombay, was Hon Secretary, Our Day Fund, Hon Secretary of "People's Fair" in 1921. Awarded Kaiser-i-Hind Medal and a Certificate of Merit in 1922. Is Chairman of Versova Beach Sanitary Committee. Gave evidence before the Cotton Tariff Committee, also gave evidence before the Tariff Board of Inquiry re Gold Thread Industry and Central Banking Inquiry Committee. Is a Member of the Society for the Protection of Children in Western India, also a Trustee of various charitable institutions and has been the Director of some Joint Stock Companies. President, Indian Merchants Chamber, 1933. Address Messrs Gobhai Karanjia, Limited, Bombay 2

KARALI, H H MAHARAJA DHIRAJ BHOPAL DEO BAHADUR, YADUKUL CHANDRA BHAI b 18 June 1866 s 21 August 1927. Address: Karali, Rajputana

KASHMIR, MAHARAJA OI, see Jammu and Kashmir, Maharaja of

KASTURBHAI LALBHAI, SHETH, Millowner, b 22 Dec 1894 m Srimati Sardaben, d of Mr Chimanlal Vaidal Zaveri of Ahmedabad. Educ at Gujarat College, Ahmedabad, Hon Secretary, Ahmedabad Famine Relief Committee, 1918-19, elected Vice-President Ahmedabad Millowners Association, 1923-26, elected member, Legislative Assembly as a representative of the Millowners' Association (1923-26), Nominated as a delegate to the 12th International Labour Conference at Geneva, 1929. Address Pankore's Naha, Ahmedabad

KAY, SIR JOSEPH ASPDLN, KT (1927), J P Managing Director, W H Brady & Co Ltd, Member, Council of Imperial Agricultural Research b 20th January 1884 m 1928, Mildred, second d of late J S and R A Burnett of Rowsley, Derbyshire. Educ at Bolton, Lancashire. Came to India to present firm, 1907, Managing Director and Chairman of Board of the several companies under their control, Chairman, Bombay Millowners' Association, 1921 and 1922 Employers' Delegate to International Labour Conference, 1923. Officer in Bombay Light Horse, Vice-President, Chamber of Commerce, 1925, Vice-President, Indian Central Cotton Committee, 1925-26-31-32, President, Chamber of Commerce, 1926, Chairman, Back Bay Enquiry Committee, 1926. Chairman, Prohibition (Finance) Committee (Bombay), 1926. Address Wilderness Cottage, Nepean Sea Road, Bombay

KAZI SYED, HIFAZAT ALI, B A, LL B. b 1892 Educ Jubbulpore, Aligarh and Allahabad. Elected President, Municipal Committee, Khandwa, 1920. Minister for Local Self-Government, Public Works, Public Health, etc, Central Provinces. Address Imhpura, Khandwa

ference, 1930, President, Punjab Muslim Educational Conference, and Ajmer-Merwara Muslim Educational Conference, 1929 Member of Federal Structure Sub Committee, and numerous other Sub-Committees of the three Round Table Conferences and joint Select Committee Member, Viceroy's Consultation Committee, R T C, 1932 *Publications* Founder and Editor till 1925 of the Journal of Indian History, published Anglo-Portuguese Negotiations relating to Bombay, 1667-1763, in 1923, East India Trade in the seventeenth Century, 1924, Sources for the History of British India in the seventeenth Century, 1926 John Marshall in India 1668-1672, What are the Rights for Muslim Minority in India? (1928), Organiser and joint author of the Memorandum of the Muslims on United Provinces to the Indian Statutory Commission (July 1928) Contribution of numerous articles to historical journal and to the "Star," Allahabad Address 25, Stanley Road, Allahabad

KHAPARDE, GANESH SHRIKRISHNA, B A (1877), LL B (1884) Advocate and Member of Council of State b 1955, m Laxmi Bai Educ in Berar and Bombay Extra Asstt Commissioner in Berar from 1885 to 1889, returned to the Bar, Vice Chairman of the Local Municipality and Chairman of the District Board for nearly 17 years Member of Viceroy's Legislative Council, Member of the Council of State, re elected in 1925, Address Amraoti, Berar, C P

KHOSLA, KANSHI RAM, Journalist, Managing Proprietor, Khosla Brothers, Managing Director, Khosla Newspapers, Ltd Proprietors of the "Daily Herald", Lahore b April 1882 Educ at F C College, Lahore Joined Commercial Bank of India Ltd as apprentice, Manager, Peoples Bank, 1904, Punjab Co operative Bank, 1905 Started own firm of Khosla Bros, 1905, started Imperial Publishing Company, 1911 and Industrial and Exchange Bank in 1920 which went into liquidation in 1924 after the failure of the Alliance Bank of Simla, Member, Executive body of the Indian Chamber of Commerce, lately Member, N R Advisory Committee, Lahore, for 4 years *Publications* Khosla Directory from 1906-16 and 1925-28, "Imperial Coronation Durbar," "India and the War," "Who's Who in Indian Legislature and R T C", "Indian States and Estates" Address 99, Railway Road, Lahore

KHWAJA NAZIMUDDIN, THE HON MR, M A (Cambridge), C I E, Minister for Education, Government of Bengal, from 1929 b 19 July 1894 m Shahr Banoo Begum Educ M A O College, Aligarh, Dunstable Grammar School, England, and Trinity Hall, Cambridge Chairman, Dacca Municipality, from 1922-29, Member, Executive Council, Dacca University, 1923-29 Address 25-1, Ballygunge Circular Road, Calcutta

KIBE, MADHAVRAO VINAYAK, Sardar (hereditary), Rao Bahadur (1912), Divan-i-Khas Bahadur (1920), M A (1901), Aitmod ud Dowla (1930), Vazir-ud-dowla, Retired

Deputy Prime Minister, Holkar State, Indore b 1877 m Kamalabai Kibe Educ Dri College, Indore, Muir Central College, Allahabad Hon Attached to Agent to the Governor General in Central India, Minister, Dewas State (J B) *Publications* articles in well-known magazines in Hindi, Marathi and English on Economics, History and Antiquities Address Siraswatimiketan Camp, Indore, Central India

KIKABHAI PREMCHAND, Sir, KT (1931), Financier, April 1, 1883 m Lady Lily Educ at Bombay Member, Legislative Assembly from January 1927 to September 1930, Member of the Indian Central Committee which co operated with the Indian Statutory Committee Sheriff of Bombay for 1932 Address Premodyan, Byculla, or 63, Apollo Street, Bombay

KIRPALANI, HIRANAND KHUSHIRAM, I C S M A (Bom), B A (Oxon), Bar at-Law (Lincoln's Inn), Municipal Commissioner City of Bombay 1931-1934 b 28 Jan 1888 m to Guli H Gidvani Educ N H Academy, Hyderabad (Sind), D J Sind College, Karachi and Merton Coll, Oxford Asstt Collr and Magte, Ahmedabad, Broach and Surat, 1912-1918 Municipal Commr, Surat, 1918 to 1920 Taluqdari Settlement Officer, Guzerat, 1921 Dy Municipal Commissioner, Bombay, 1921, Collr and Dist Magte, Kaira, 1923-24, Dy Secretary to Government, Rev Deptt, 1924-26, Ag Municipal Commissioner for the City of Bombay, 1926 Collector of Kolaba, 1928, Deputy Secretary, Indian Central Committee, 1929 Collector of Panch Mahals and Political Agent, Rewa Kantha, 1930-31 Address Carmichael Road, Bombay

KISHENGARH, H H UMDAI RAJBAI BULAND MAKAN MAHARAJA ADHIRAJ MAHARAJA YAGYANARAIN SINGH BAHADUR b Jan 1896 m sister of the Raja Bahadur of Malsodangarh Educ Mayo College, Ajmer, where he passed the Diploma Examination Address Kishengarh, Rajputana

KISHUN PERSHAD, RAJA-I-RAJAYAN MAHARAJA BAHADUR, YAMINUS SALTANATH Sir, G C I E (1910), K C I E, cr 1903 Hereditary Paishkar and President of the State Executive Council, Hyderabad State b 28 Jan 1864 Educ Nizam's College, Paishkar and Military Minister, 1893-1901, Prime Minister, 1901-1912 President of Executive Council since Nov 1926 under the present constitution *Publications* Copious in Urdu and Persian prose and poetry Descended from the great Hyderabad States man Maharaja Chandoo Lal 4s Heir Raja Khaja Pershad Address City Palace, Hyderabad

KOLHAPUR, Lt-Col His Highness Sir Shri RAJARAM CHHATRAPATI, MAHARAJA OF, since 1922, G C S I (1931), G C I E (1924) b 30 July 1897, es of Col Sir Shahu Chhatrapati Maharaja of Kolhapur (d 1922), direct descendant of Shivaji the Great, the Founder of the Maratha Empire.

LALKAKA, JPHANGIR ARDESHIR, Dy Director of Sir J J School of Art, Bombay, since 1931 b 3 March 1884 Grandson of Khan Bahadur Sir Nowrojee Pestonji Vakil, C I E, of Ahmedabad m Miss Tehmi Jamsetji Kharas of Bandra Educ Ahmedabad High School Elphinstone Coll, Bombay Sir J J School of Art, Bombay and St John's Wood and Westminster Schools of Art, London Painted life size memorial portrait of Sir Pherozeshah M Mehta for Municipal Corpn, Bombay, unveiled by H E Sir George Lloyd, Sir D E Wacha's portrait in the Bombay Univ, Dr Dadabhoy Nowroji's portrait and Principal A L Covernton's portrait for Elphinstone Coll, Sir Nowrojee Pestonjee Vakil's portrait for Nowrojee Hall, Ahmedabad, and H H the Nawab of Rampur's life size portrait for Durbar Hall, Rampur H E Sir Leslie Wilson's portrait as District Grand Master for the Masonic Hall, Bombay, Member of the Government of Bombay Board of Examiners for Art Examinations, 1917-1933 Chosen by the Govt of India to copy Royal portraits in England, 1930, for the Viceroy's House, New Delhi Appointed by Government of Bombay Dy Director, Sir J J School of Art, Bombay, 1931 Address School of Art Bungalow, Bombay

LALUBHAI SAMALDAS, SIR, KT (1926), J.P., C.I.E (1914) b October 1863 m Satyavati, d of Bhimrao Bolanath Divatia of Ahmedabad Educ Bhavnagar High School and Elphinstone College Under-Secretary to His Highness the Maharaja of Bhavnagar, and Revenue Commissioner, Bhavnagar Resigned service in 1899 and entered business at Bombay as Guaranteed Broker to Gvsi Klynningjung Helped in starting the Bombay Central Co-operative Bank, Bank of Baroda, Indian Cement Company, Scindia Steam Navigation Company, Ltd Director in Commercial firms and banks Nominated to the Bombay Legislative Council in 1910, 1913 and 1916 President of the All India Industrial Conference at Karachi in 1913, Member, MacLagan Committee on Co operation 1914-1915, President, Mysore Co operative Conference 1915, Chairman, Mysore Co operative Committee, 1921-23 Member, Senate of Bombay University, Hon Treasurer, Adams Wythe Hospital, 1918-22 and of Seva Sidan, President, Indian Merchants Chamber and Bureau, 1917-18, Elected to Council of State, 1920, Member, Indian Mercantile Marine Committee, 1923-24 , President, Indian Economic Conference at Benares, 1925 Ag Member, Bombay Executive Council, 1925 President of Madras, Bihar and Orissa and United Provinces Co operative Conference in 1926, 1928 and 1929, President, Bombay Swadeshi League, 1932-33 Address Andheri, via B B & C I Railway

LAMBERT, HENRY, M A (Cantab), Principal, Patna College b 22 Feb 1881 m Violet Crawford, d of Lt Col D G Crawford, I M S (retired) Educ Perse School, Trinity Coll, Cambridge Asst Master, Felsted School, for nearly three years, Indrjn Educational Service, Inspector of Schools in Bengal, Bihar and Orissa, Principal, Ravenshaw Coll,

Cuttack, Principal, Patna Coll Offg D P
Bihar and Orissa Address Patna, E
Railway

LAMOND, WILLIAM, Managing Governor
Imperial Bank of India b 21 July 1887
m Lthel Speechly Lduc Harris Academy
Dundee Four years with Royal Bank o
Scotland, joined Bank of Bombay in Decem
ber 1907 Address 3 Theatre Road
Calcutta

LANGLEY, GEORGE HARRY, MA, Vice-Chancellor, Dacca University, since January 1, 1926, *b* 14 July 1881, *s* of Leveson and Matilda Emma Langley, *m* 1913, Evelyn Mary Biggart, Armagh Educ The University, Reading, Scholar in Logic and Psychology, London University, 1906, MA in Philosophy with special mark of distinction University of London 1909, Indian Educational Service, 1913, Professor, Presidency College, Calcutta, 1913, Professor of Philosophy, Dacca College, 1913, Professor of Philosophy and Provost of Dacca Hall University of Dacca, 1921-25, Acting Vice-Chancellor, Dacca University, July to September 1925 President, Indian Philosophical Congress, 9131, Chairman, Inter-University Board, 1933-34 *Publications* Articles in Mind, Proceedings of Aristotelian Society, Hibbert Journal, Philosophy, Monist Quest Dacca University Bulletin, Indian Philosophical Review, Indian Journal of Philosophy, etc *Address* Ramna, Dacca, E Bengal

LATIMER, COURTNEY, B A (Oxon), CIE
(1920), CSI (1931), Agent to the Governor-
General in the States of Western India *b*
September 22, 1880 *m* Isabel Primrose,
d of late Sir Robert Aikman *Educ*
St Paul's School and Christ Church, Oxford
Entered ICS 1904, joined Political Dept
1908, Revenue Commissioner, N W F P,
1929, Resident in Kashmir 1931 A G G
in the States of Western India 1932 *Publica*
tions Census of India 1911 Vol XIII
North West Frontier Province *Address*
Rajkot Kathiawar

LATIFI, ALMA, CIE 1932, OBE, 1919, MA, LL.M Cantab, LL.D Dublin, Barr, ICS, b 12 Nov 1879, es of late C A Latif, Bombay, m Nasma, d of late Justice Badruddin Tyabi, Bombay, two s two d Educ St Xavier's school and Coll, Bombay, passing first in Inter examination Bombay University 1897, also London, Paris, Heidelberg, Cairo, joined 1898, St John's Coll Cambridge (scholar and Macmahon Law student), 1st Class Honours in 1st year examination for Oriental Languages Tripos and in both parts of Law Tripos, 2nd cl Honours in modern Languages Tripos, headed poll for Committee, Camb Union Society, also stroked LMBC 2nd boat in Lert races, 1901, Senior Whewell scholarship (Cumb) and Barstow scholarship (Inns of Court) in international law and allied subjects, 1902, 1st cl Degree of Honour of Government India for eminent proficiency in Arabic, 1908; joined as Asstt Commr in Punjab Jan 1903, since held administrative, judicial, secretariat and political offices, Dist Judge, Amritsar 1908, inquired into

Member of the Board of Examiners, Madras University 1905-20, Examiner for M A, Ph D, and Premchand Roychand Studentship, Calcutta University, Reader, Calcutta University, 1919 Examiner for Allahabad, Aligarh, Benares and Mysore Universities Elected Hony Correspondent of the Archaeological Survey of India, 1921 General Secretary, Indian Oriental Conference, 1926-1933, Member, Indian Historical Records Commission, 1930, President Bombay Historical Congress, 1931, *Publications*, Ancient India, A Little Known Chapter of Vijayanagar History, Beginnings of South Indian History, Early History of Vaishnavism, South India and Her Muhammadan Invaders, Some Contributions of South India to Indian Culture, History of India from Original Sources, A Short History of Hindu India, Manimekalai in its Historical Setting, and Evolution of Administrative Institutions in South India *Address* "Sripadam", 143, Brodies Road, Mylapore, Madras (8)

KRISHNASWAMI AIYAR, SIR ALLADI, Kt (1932), Advocate-General, Madras *b* May 1883 *m* Venkateshramma *Educ* Madras Christian College, Law College, Madras Apprentice-at-law under the late Justice P R Sundaram Iyer, standing counsel to most of the big Rajs and Zamindars of the Madras Presidency, appointed Advocate-General in 1929, Member of the Legislative Council, awarded Kaiser-i-Hind Silver Medal in recognition of his philanthropic work, 1926, Dewan Bahadur in 1930, Knighted 1932, was member of the Syndicate of the Madras University for several years, Member of the Senate of the Madras University, takes interest in all public, social and religious movements, has subscribed large amounts to charitable institutions, has endowed large sums of money in the Madras, Andhra and Annamalai universities, helped several poor students, member of the Cosmopolitan Club, Madras, delivered the Convocation address of the Andhra University in 1930, member of the Expert Committees appointed by the Government of India to amend the Law relating to Partnership and the law relating to the sale of goods *Address* Ekamra Nivas, Luz Church Road, Mylapore, Madras

KUTCH, H H MAHARAJA (MAHARAO) DHIRAJ MIRZAN MAHARAO SHRI KHENGARJI SAWAI BAHADUR OF, GCSI, GCIE *b* 23rd August 1866 *m* 1884 Represented India Imperial Conference, 1921, received Freedom City of London, 1921 Undertook to give £3,000 monthly for support of Indian Regiment during European War, 1915, represented India, League of Nations, 1921, received Freedom of the City of Bath, 1921 *Address* The Palace, Bhuj, Kutch

LAKHMIDAS ROWJEE TATARSEE, B A, Lord and Merchant *m* Laddabai L R Tarsee *Educ* St Xavier's College Bombay Member, Bombay Municipal Corporation, Member, Standing Committee, Bombay Municipality representative of the Indian Merchants' Chamber on the Board of the Bombay Port Trust, and President, P J Hindu Gym-

khana and President, Bhatia Mitra Mandal *Publications* "Frenzied Finance" Speeches and Writings of B G Horniman "Priests, Parasites and Plagues" *Address* 29-31-33, Bora Bazar Street, Fort, and 259, Walkeshwar Road, Malabar Hill, Bombay, and Panchvati, Nisik City

LAKHTAR, CHIEF OF, THAKORE SAHEB BALVIRSHANJI KARANSINGJI, *b* 11 Jan 1881 Succeeded father 8 Aug 1924 *Address* Lakhtar, Kathiawar Agency, Bombay

LAKSHMI NARAYAN LAL, RAI SAHIB, son of Munshi Dyal Narayan Lal, Plender and Zemindar *b* 1870 *m* to Srimati Navaran Kunwer *Educ* at Aurangabad, Gava and Patna Passed pleadership examination in 1890 and since practising as a pleader at Aurangabad and Gava ex-Hon Organiser of Co operative Societies, ex-Director and Chairman of the Central Bank, Aurangabad, Chairman, Advisory Committee, Central Bank, Aurangabad, ex-Chairman of the Divisional Co operative Federation, Patna, ex-Councillor of the Co operative Federation, Bihar and Orissa, a nominated member of the first Legislative Assembly, and Member, National Convention, ex Vice President, Provincial Hindu Sabha, Bihar and Orissa and ex-President, Propaganda Committee Kayestha Sabha, Bihar and Orissa *Publications* Glories of Indian Medicine, Sahyog, Samudrajatra, Twelve Main Points of Co-operation, Updesh Manjari and Charkha Mahatmya Hindu-Muslim Ekta, Sri Gitaratnawali, Sri Gandhi Gita and Artodhar Arti *Address* Aurangabad, Dist Gaya, Bihar and Orissa

LAL, PIYARE, Bar-at-Law, Member, Legislative Assembly *b* Jan 1860 *Educ* Muir Central College, Allahabad Called to the Bar in 1886, Law-Professor, Meerut College, 1894-96, practised up to 1896, was Minister of Sialma State, 1896-1900, Chief Justice and latterly Judicial Member, Council of State, Indore, from 1900 to 1906, travelled round the world in 1913 Chairman, Reception Committee of the U P Political Conference, 1914, Special Magistrate, First Class, from 1915-1926, President, Cantonments Conference, 1923, at Rawalpindi *Address* Meerut

LALA RAM SARN DAS, THE HON RAI BAHADUR, CIE, Kaiser-i-Hind Gold Medal (1914), Member, Council of State, Millowner, Landlord, Zemindar and Contractor *b* 30 Nov 1876 *Educ* Government College, Lahore Was Member, Punjab, Legislative Council, Member elected of the Council of State since its inception representing Punjab Non-Mahomedan constituency and one of its chairmen, President Sanatan Dharma College, Managing Committee, President, Sanatan Dharma Pratimidi Sabha, Punjab, Chairman, Central Bank of India Ltd Advisory Committee for Punjab Branches, Vice-President, Northern India Chamber of Commerce, President, Northern India Chamber of Commerce, Director, Trans Continental Airways Ltd, British India Corporation, Calcutta, Delegate to the Committee on Reserve Bank of India held in London 1933 *Address* 1, Egerton Road, Lahore

College Isle of Man, Gonville & Caius College, Cambridge Appointed to Indian Civil Service Burma 1907 Member, Central Board of Revenue since 1923. Officiated as Finance Member, Governor Generals Executive Council, June August, 1933 Address Delhi and Simla

LLOYD, Lt COL CHARLES GIOHNNY, C.I.L. (1919), M.C., Indian Army b 12 March 1884 m Nora Evelyn (nee) Jameson Educ Repton and Cambridge Commissioned Essex Regiment 1901, Indian Army Service Corps, 1912, service in Great War France, Gallipoli, Mesopotamia, North and Kurdistan Publications Warlike Snaps and Snaps Matrimonial Weals and Woos Babu Piche Lal in Europe, Higgledy Piggledy (all above under pen name of Babu Piche Lal BA), From an Indian State Address The Bath Club, 34, Dover Street, London, W 1

LOHARU, THE HON NAWAB SIR AMIR UD DIN AHMED KHAN BAHADUR, K.C.I.L. Member Council of State and Persian and Urdu Poet b 1860, s 1884 Ruling Chief of Mughal tribe Abducted in favour of his heir Apparent and Successor in 1920 voluntarily retaining titles and 9 guns salute as personal distinctions For two years Mem of Imp Leg Council and for two years Mem of Punjab Council, again a member of Council of State for 3 years, Superintendent and Adviser to the Malerkotla State in the Punjab for 12 years Attached to Pol Dept in Mesopotamia After death of his son the Ruling Nawab he was Nawab Regent during the minority of his grandson the Nawab of Loharu, which terminated in November 1931 on the assumption of full ruling powers by H H Lieutenant Nawab Mirza Aminuddin Ahmad Khan Bahadur Fakhrud-din, the present ruler of Loharu State Address Loharu, Punjab

LORT-WILLIAMS, HON MR JUSTICE JOHN ROLLESTON, K.C. (1922), Puisne Judge, High Court, Calcutta b 14 September 1881 m 1923, Dorothy Margery Mary, o c of late Edward Russel, The Hermitage, Hampstead Educ Merchant Taylors, London University, Tancred student 1922, Barrister, Lincoln's Inn, 1904, Member, Inner and Middle Temple, Recorder of West Bromwich 1923 and of Walsall 1924-28 President, Hardwicke Society, 1911, Contested (U) Pembrokeshire, 1906 and 1908, Stockport, December 1910, (Co U) M P Rotherhithe 1918-1922, (U) 1923 Member of the Oxford Circuit Served six years in Middlesex Imperial Yeomanry Member of the L.C.C. (Limehouse) 1907-10 Vice Chairman of Housing Committee Appointed, Judge, Calcutta High Court, 1927 Address High Court Calcutta

LOTHIAN, ARTHUR CUNNINGHAM, M.A. (1st Hons Mathematics), B.Sc. (special distinction) I.C.S., C.I.E. (1st Jan 1934), Officer of Indian Political Department, Resident in Jajpur and the Western States of Rajputana b 27th June 1887 m Mary Helen Macgregor Educ University of Aberdeen, Christ Church, Oxford Entered I.C.S. 1910, Assistant Magistrate Bengal 1911-15, Served subsequently as Political

Officer in Central India, Kashmir, Hyderabad Mysore, Piplitani Biroda, and the Orissa and Central Provinces States Deputy Secretary to the Government of India, Foreign and Political Department, 1926-27, and on special duty with the Government of India 1931-32, Resident at Jaipur 1929-31 also Political Agent, Eastern Rajputana States 1929, President Council of State Jaipur 1929 Resident in Mewar and Political Agent, Southern Rajputana States, 1930-31 Resident at Biroda 1932-33, Prime Minister Alwar, President Council of State, Bharatpur, and Political Agent, Eastern Rajputana States 1933 Address The Residency, Jaipur

LOW, FRANCIS, Editor The Times of India b 19 November 1893 m Margaret Helen Adams Educ Robert Gordon's College, Aberdeen Joined staff Aberdeen Free Press, 1911 Served in War with Mesopotamian Expeditionary Force Special Service Officer, Intelligence, G.H.Q. 1919 Gazetted out with rank of Captain, 1920 Chief Reporter, Aberdeen Free Press, 1920 Sub-Editor, The Times of India, 1922, Asst Editor, 1927 1932 Address 57 C, Warden Road, Bombay

LOLD, Rt Rev P H see Nasik, Bishop of

LYALL, IRANK FREDERICK, C.I.E., I.C.E. (ret'd) General Manager, Kasim Bazaar Raj b 12 June 1872 Educ Edinburgh Academy Balliol Coll Oxford Int. I.C.S. 1891 m Miss I K Markham (1906), Ministry of Munitions, London, 1915-1918, Committee 1919, retired 1926 Address 17, Allipore Park, Calcutta

LYLT-THOMAS MOI LORFFY, B.E., A.R.C.Sc. I C.I.E. (1928), I.S.L., Superintending Engineer, Irrigation Works, U.P. b 24 May 1886 m Mary Stewart Forsyth, 1922 Educ St Andrew's College, Dublin, Royal College of Science, Ireland, Queen's College, Belfast and Royal University of Ireland (Graduated 1908, First Place with First Class Honours) Assistant on Main Drainage Construction under London County Council 1908-09 apptd Asst Engineer in P.W.D. (Irrigation), U.P. India in 1909, employed on various large construction works, including Gangao Dam on Ken River in C.I., in charge of construction of Ghaghar Canal Reservoir and Karamnasa Feeder cut and headworks, Executive Engineer in charge of Design and Construction of Sardar Canal Barrage and head portion of Sardar Canal including the Jagbura Syphon (the largest syphon in the world) and other cross drainage works 1921-29 War service in Waziristan, in South Persia and in the 3rd Afghan War Mentioned in Despatches by G.O.C., Bushire Field Force in 1918-19 (South Persia) Address Superintending Engineer, Irrigation Branch, Lucknow, U.P.

MCCARRISON, Major General SIR ROBERT, Kt (1933), I.M.S., M.D., D.Sc., Hon LL.D., F.R.C.P. (London), Hon Physician to H.M. the King, Hon Fellow College of Physicians (Philadelphia) Laureate of the Academy of Medicine, Paris, Kaiser Hind of Physicians (Philadelphia), Kaiser Hind (1st Class), 1911, C.I.E. (1923), Director

Punjab industries 1909-10, duty with Press Camp, Delhi Coronation Durbar 1911 (*medal*), Dist Judge, Delhi 1911-12, Director of Public Instruction, Hyderabad State 1913-16, Dy Commr Hissar 1918-21, Recruiting badge and mention in *Gaz* of India for valuable war services, 1919, sec transfd depts also member Legis Council, Punjab 1921-24, Dy Commr Karnal 1924-27, Commr and Pol Agent, Ambala, also member, Council of State from Nov 1927, Delegate, International Law Conf, The Hague, March 1930, substitute delegate and adviser, International Labour Conf, Geneva, June 1930, Delegate, Inter-Parliamentary Conf London, July 1930, duty with 1st Indian Round Table Conference, London, Sep 1930, Commr Multan, March 1931, duty with 2nd Indian Round Table Conference, London, Aug 1931, Sec Consultative Committee (I R T C) Delhi, Jan 1932, duty with 3rd Indian Round Table Conference, London, October 1932 Financial Commissioner Revenue, April-July 1934, Commissioner, Lahore from July 1934 *Publications* Effects of War on Property, being studies in International Law and Policy, 1908, Industrial Punjab, 1911, The All India Alphabet, a step towards Federation, 1934, various addresses, articles, reports *Address* Secretariat, Lahore, Athenaeum, Pall Mall, London

LATTHE, DIWAN BAHADUR ANNA BABAJI, M A, LL B (Bombay) *b* 1878 *m* to Jyotsnabai Kadre of Kolhapur *Educ* Deccan College, Poona, Prof of English Rajaram College, Kolhapur, 1907-1911 Educational Inspector Kolhapur till 1914 President, Southern Mahratt Jain Association and Karnatak Non-Brahmin League, Edited "*Deccan Ryot* (1918-20)" Member of the Indian Legislative Assembly, 1921-23, Member of the University Reform Committee, 1924 Diwan of Kolhapur 1926-30 Diwan Bahadurship Conferred in 1930 Attended Indian Round Table Conference in London as Adviser to the States' Delegation Chairman, Central Co operative Bank, Belgaum District, 1932 *Publications* "Introduction to Jainism" (English), "Growth of British Empire in India" (Marathi), "Memoirs of Shahu Chhatrapati", "Shri Shahu Chhatrapati Charitra" in Marathi (1925), Problems of Indian States (English) 1930, "The Federal Constitutions of the World" (Marathi) 1931 *Address* Belgaum

LEFTWICH, CHARLES GERRANS, C B E (1919) Indian Trades Agent, East Africa, *b* 31 July 1872 *m* Eadne Fawcus of Alnmouth, Northumberland *Educ* Christ's Hospital and St John's College, Cantab Entered ICS 1896 Served in C P *Address* Mombassa

LEGGE, FRANCIS CECIL, C B E, V D (1919), Director of Wagon Interchange, Indian Railway Conference Assocn *D* 14 September 1873 *Educ* Sherborne School *Address* Bengal Club, Calcutta

LELY, WILLIAM GERALD, B A (Cantab), 1st Class (2nd Division) Classical Tripos (1908), Partner, Messrs Wallace & Co, Bombay *b* 15 July 1886 *m* Dorothy

Ruth, *d* of late W F Hurndall *Educ* Fettes College, Edinburgh, Emmanuel College, Cambridge Joined The Bombay Burmah Trading Corporation, Ltd, Rangoon, as Assist in November 1910, appointed Manager June 1920, Joined Wallace & Co, Bombay, as a partner in August 1926, Member, Bombay Legislative Council in 1928, 1931 and 1933-34 President Bombay Chamber of Commerce 1933-34 Trustee of Port of Bombay, 1933, and 1934 *Address* Wallace & Co, 9, Wallace Street, Fort, Bombay

LE RUYET, Rt Rev Mgr PIUS, O M CAP R C BISHOP OF AJMER Lorient (France) *b* 28 November 1870 *Educ* Entered Noviciate of Friars Minor Capuchins, Province of Paris, at Le Mans, 4 Oct 1888 Joined Mission of Rajputana, November 1894 Ordained priest 21 July 1895 Chaplain at Ajmer, Rector of St Anselm's High School (1904-1931) Appointed Bishop 9 June 1931 Consecrated 28 Oct 1931 *Address* Bishop's House, Ajmer

LEY, ARTHUR HERBERT, B A, CSI (1926), C I E (1918), C B E (1924), Member, Public Services Commission, India *b* 7 Nov 1879 *Educ* Winchester College and New College, Oxford Entered ICS 1903 Under Secretary, Government of Bengal, 1908, Under-Secretary, Govt of India, 1909-12, Director General of Commercial Intelligence, 1914-16 Dy Secretary, Commerce Department, 1915-18, Secretary, Commerce Department, 1919, Chief Controller, Surplus Stores, 1921-23 Secretary, Department of Industries, 1923-1926 *Address* Delhi and Simla

LIAQAT HAYAT KHAN, NAWAB, SIR, O B E, KT, Aitmadudaula Viquurulmulk, Tazimi Sardar, Prime Minister of Patiala State *b* 1st February 1887 *m d* of Mian Nizam-muddin, late Prime Minister of Poonch State *Educ* Privately *Address* Patiala

LINDSAY, SIR DARCY, KT (1925), C B E, 1919, Kaiser-i-Hind Gold Medal (1911) *b* Nov 1865 Late Secretary, Calcutta Branch, Royal Insurance Co *Address* 26, Dalhousie Square, Calcutta

LINDSAY, HARRY ALEXANDER FANSHAW, C I E C B E, ICS, Indian Trade Commissioner, London *b* 11 March 1881 *m* Kathleen Louise Huntington *Educ* St Paul's School, London, Worcester College, Oxford Arrived in India 1905 and served in Bengal as Asst Collr and Mgte, Under-Secretary to Government, Revenue and General Departments, March 1910, transferred to Bihar, 1912, Under-Secretary to Government, Rev Department, 1912, Under Secretary to Govt of India, Commerce and Industry Department, 1912, Director, Commercial Intelligence Department, 1916, C B E, 1919, Offg Secretary to Government of India, Department of Commerce, 1921, Indian Trade Commissioner, from 1st February 1923, C I E in 1926 *Address* Bengal Club, Calcutta, and Oriental Club, London

LOYD, ALAN HUBERT, B A (Cantab), C I E, ICS, Member, Central Board of Revenue *b* August 30, 1883 *m* Violet Mary, *d* of the late J C Orrock *Educ* King William's

belltown Gram Sch Glasgow Univ., Int I M S, 1886 Insp-Gen of Prisons, 1902, Mem, Indian Factory Labour Commission, 1907-08, Mem of U P Leg Council, 1909
Address Lucknow

MCKENZIE, THOMAS JOHN, M A (Aberdeen), 1904 D D (Aberdeen), 1934, Senior Cunningham Fellow New College, Edinburgh, 1908, Principal, Wilson College, b 13 June 1883 m Agnes Ferguson Dines Educ Aberdeen University, New College Edinburgh, Tubingen University Ordained 1908, Appointed Professor in Wilson College, 1908, Appointed Principal, 1921, Fellow of the University of Bombay President, Bombay Christian Council, 1924-26 President, Bombay Anthropological Society, 1927-29 Vice Chancellor, Bombay University, 1931-33 Publications Hindu Ethics (Oxford Univ Press) Edited Worship, Wealth and Work by R S Simpson, D D (James Clarke), Edited The Christian Task in India (Macmillan) Address Wilson College House Bombay

MADAN, TANARDAN ATMAJI, B A C I I I C S, Officiating Secretary to Government, Revenue Department Bombay, since March 1934 b 12 February 1885 m Champubai, d of late H P Pitale, J P Educ Bombay, Oxford and Cambridge Assistant Collector, 1909, and Asst Settlement Officer, Collector and Registrar, Co-operative Societies, Bombay, 1920, Joint Secretary, Royal Commission on Agriculture, 1926-28, Chairman, Banking Inquiry Committee, Bombay, 1929, Director of Labour Intelligence and Commissioner, Workmen's Compensation, Bombay, 1930 Collector of Belgaum, appointed Offg Secretary Revenue Department, March 1931 Address Secretariat, Bombay

MADGAVKAR, SIR GOVIND DINANATH, Kt, B A, I C S, b 21 May 1871 m Miss Bhadrabai Pandit Educ St Xavier's High School St Xavier's College, Elphinstone College, and Balliol Passed the I C S in 1892, served in Burma for 3 years, became Dist and Sessions Judge in 1905, Additional Judicial Commissioner (Karachi), 1920, Judge, High Court, 1925-31 Address 17, Mathew Road, Bombay, 4

MADHAVA RAO, V P, C I E (1899) b Feb 1850 Educ Government College, Kumbakonam (B A 1869, Fellow 1899) For 35 years in the service of Mysore State in important capacities being Member of Council of Regency, 1898-1902, Inspector General of Police, the first Indian to be entrusted with that responsible charge, 1892, Plague Commissioner, 1898 Member, Executive Council and Rev Commsr, 1902-1904, Dewan of Travancore, 1904-1906, Dewan of Mysore, 1903-1909, toured all over India to gain first hand information on the condition of India, Presided at Tanjore Dist Confee, Dewan of Baroda, 1914-16, President 23rd Madras Provincial Confee at Cuddalore, 1917, has also presided over a number of conferences (political, social, industrial, etc), went to England on deputation by the Indian National Congress, tendered evidence before Parliamentary Joint Committee, President, First Karnatak Confee, Dharwar, 1920, now

lives in retirement, awarded Kaiser-i-Hind Gold Medal in the first year of its inception, 1900 Address "Patani Bhawan," Bangalore

MADHAVIAI, SIF CHINCHAI, Bt, 222 Ranchhodai

MADRAS, Dismissed, since 1921 Rt Rev Edward Harry Mansfield Waller, M A (Cantab), b 8 Dec 1871 Educ Highgate School Corpus Christi College, Can Ordained d 1894 p 1895 Ton Principal, St Paul's Divinity Sch, Allahabad, 1903 Principal, Tay Narayan's High School, Benares, 1907 Ag Secy, C M S, U P, 1905-09 Sec C M S, Indian Group 1911, Canon of Lucknow, 1910-15 Bishop of Umvelley, 1917-22 Publications Revelation in Bishop's Commentaries for India and The Divinity of Jesus Christ, translated to Madras 1 Jan 1923 Address The Diocesan Office, Cathedral P O Madras

MAHABOOB ALI KHAN, MAHOMED AKBAR KHAN, M L C, First Class Sardar (1921) Cotton Commission Agent, Hubli b 1876 Educ at Hubli Started business in cotton in 1896, extended same from time to time created a cotton market at Sawnur by establishing ginning and pressing factories there, also started ginning factories at Ranchennur and Guttal convenient places for marketing cotton in the interior, is an advocate of improved methods and machinery for agriculture and himself a cultivator on a large scale, cultivating about 300 acres of land on improved lines and demonstrating its benefits to the other ryots of his place and neighbourhood, is President Hubli Anjuman-i-Islam, working for the educational, social and material uplift of Mahomedans, was Vice President of the Hubli Municipality for some years and was elected the President of that Municipality in 1931 was again elected President of the Hubli Municipality in 1932 for another triennium Publications Kanarese translation of Mr G I Kestling's 'Rural Economy in the Bombay Deccan,' Kanarese translation of 'Britain in India, Have we Benefited?' Address Opposite Native General Library, Hubli, Dist Dharwar

MAHAJANI, GANESH SARHARAM, M A (Cantab), Ph D (Cantab), B A (Bom), Smith's prizeman (1926), Principal and Professor of Mathematics, Fergusson College, Poona b 27 Nov 1898 m Indumati Paranjpye, d of Mr H P Paranjpye and niece of Dr R P Paranjpye Educ High School, Satara Fergusson College, Poona, St John's College, Cambridge First in Intermediate (Second Sanskrit Scholar) and the B A Examination, Duke of Edinburgh Fellow Went to England as Government of India Scholar, returned to India in 1927, appointed Principal, Fergusson College, 1929, obtained King's Commission, U C Lieut Publications "Lessons in Elementary Analysis" for Honours Courses of Indian Universities, and some mathematical publications especially contribution to Theory of Ferromagnetic Crystals (published in the Transactions of the Royal Society, London) Address Fergusson College, Poona 4

Nutritional Research, Indian Research Fund Association, Pasteur Institute, Coonoor b 15 March 1878, m Helen Stella 3rd d of the late J L Johnston, ICS Judicial Commissioner, Sind Educ Queen's College, Belfast Graduated M B B Ch, B A O (1st Class Hons and Exhibition) (1900), M D (Hons) 1910, M R C P (Lond) 1909, D Sc (Belfast) 1911, F R C P (Lond) 1914, Entered I M S, 1901, Milroy Lecturer, College of Physicians, London, 1913, Mellon Lecturer, University of Pittsburgh, U S A, 1921, Mary Scott Newbold Lecturer, C P Philadelphia, 1921 Hanna Lecturer, Cleveland, Ohio, U S A, 1921, Mayo Foundation Lecturer, Rochester, Min U S A 1921, Arnott Memorial Gold Medalist Irish Medical Schools and Graduates Association 1921, Prix Amussat Academy of Medicine Paris (1914), Stewart Prize for Research, British Medical Association (1918), Silver Medallist, Royal Society of Arts, 1925, Brevet Lt-Colonel (1918) for distinguished Service in the Field, Brevet Colonel 1928 Publications, "Endemic Goitre" London 1913 "The Thyroid Gland in Health and Disease," London, 1917, "Studies in Deficiency Disease," London, 1921, "The Simple Goitres," London, 1928, "Food," Madras, 1928 Memoirs and numerous scientific papers on the physiology and pathology of the thyroid and parathyroid glands and on disorders of Nutrition in Proc Royal Soc Proc Royal Soc, Med, Indian Journal Medical Research, etc Address Pasteur Institute, Coonoor, South India

MACKENZIE ARTHUR HENDERSON, CSI (1933), M A, B Sc A R C Sc, C I E (1928), Director of Public Instruction, United Provinces b February 9, 1880 m Zora Gibson Harwood Educ Royal Academy Inverness, Aberdeen Univ, Royal Coll of Science, London Principal, Secondary School, Newton Abbot, 1907-08, Inspector of Schools, United Provinces, 1908-09, Principal Government Training College, Allahabad, 1909-1920, Chief Inspector of Vernacular Education, United Provinces, 1920-21, Director of Public Instruction, United Provinces, from 1921, Officiating Educational Commissioner with the Government of India, 1930 Address Allahabad, U P

MACMAHON, MAJOR-GENERAL HUGH FRANCIS EDWARD, CB (1931) C B E (1925), MC, P S C D A and Q M G Northern Command Headquarters Rawalpindi, b 13th Oct 1880 m Agnes Hearn, elder d of A E Cumming, Esq, Educ Pocklington, Bedford, R M C Sandhurst Gazetted Indian Staff Corps, 1900, joined S & T C, 1904, Instructor Staff College, Quetta, 1919-23, A A and Q M G, Waziristan District 1923-1927, D D M and Q, A H Q, 1928, D D S & T A H Q, 1929, D S T, A F Q, 1929 D A and Q M G Northern Command, 1933, A D C to H M the King, 1929, Col, 1922, Major-General, 1930 Served in Waziristan Campaign, 1900-02, the Great War 1914-1918, despatches 5 times, M C and Bt of Lt Colonel, Kurdistan, 1919, Waziristan, 1923-24, Despatches, C B E Address Rawalpindi

MACMULLEN, GENERAL SIR CYRIL NORMAN K C B, C M G, C I E, D S O, General Officer Commanding Eastern Command, 1931 b 1877 Served N W Frontier, 1897-98 (medal and clasp), Tibet expedition, 1903-4 (medal), European War, 1914-19 (despatches, C M G, D S O, Brevet Lt-Col, Legion of Honour, Order of Crown of Belgium, Croix de Guerre), Afghan War, 1919, Army Headquarters, India, 1924-27, G O C Rawalpindi District 1927-1932 Address Naini Tal (Summer), Bareilly (Winter)

MACNEE, EUSTACE ALBERIC, M A (Cantab), V D (1921), Director of Public Instruction Central Provinces b 11 Nov 1885 m, Irene Mary (Porter) Educ St Paul's School, London, and Clare College, Cambridge Appointed to Indian Educational Service, 25th October 1908 Publications Exercises in English Grammar and Idiom, Editor of "Instruction in Indian Secondary Schools" (2nd edition) Principal, Spence Training College, Jubbulpore Address Nagpur

MACONACHIE, SIR RICHARD ROY, K B E, C I E, B A, I C S, H M's Minister at Kabul since 1930 b 3 September 1885 Educ Tonbridge and Univ College, Oxford, arrived in India Nov 1909 and served in the Punjab as asst commr, asst commissioner, Peshawar, 1914, personal assistant to Chief Commander, N W F Province, May 1914, assistant commissioner, Bannu, February 1915, ditto Dera Ismail Khan, October 1916, Under Secretary to Government of India, Foreign and Political Department, March 1917, on military service from October 1917 to October 1919 First Assistant to Agent to Governor-General in Rajputana, November 1919, Offg Deputy Secretary to Government of India, Foreign and Political Department, November 1921, Counsellor, H M's Legation at Kabul, February 1922, Offg Deputy Secretary to Government of India, Foreign and Political Department, December 1925, C I E (1926), Deputy Commissioner, Hazara, April 1926, on special duty in Foreign and Political Department, 1927, Political Agent, Kurram, 1928, H M's Minister at Kabul, March 1930, K B E (1931) Address Kabul

MACPHERSON, THE HON SIR THOMAS STEWART, M A (Edin), C I E (1922), Kt (1933), Barrister-at-Law, Judge, High Court, Patna and (Hon) Vice-Chancellor, Patna University b 21 Aug 1876 m Helen Cameron, M A, eldest d of the Rev A B Cameron, D D Edinburgh Educ George Watson's College, Edinburgh, Edinburgh University and Trinity College, Oxford Entered Indian Civil Service, Bengal, in 1899 and served in Bihar and Orissa from 1912, Dist Magte, and Collr, Settlement Officer, District and Sessions Judge, Superintendent, and Remembrancer of Legal Affairs, Secretary to the Legislative Council, Registrar, Patna High Court, and Judge, Patna High Court, Vice-Chancellor, Patna University since 1930 Publications Ranchi District Gazetteer, jointly, Settlement Report of Porahat Address Patna, India

MACTAGGART, COLONEL CHARLES, CSI, 1919 C I E, Inspector-General of Civil Hospitals, U P b 1861 Educ Camp-

MAJIK, SIR FIROZKHAN NOON, MA (Oxon)
Minister, Punjab Government *b* 7 May 1893 *Educ* Chiefs' College, Lahore and Wadham College, Oxford Bar at Law, Inner Temple, London Advocate of the Lahore High Court and Member of the Punjab Legislative Council from 1921 Appointed Minister for Local Self Government, January 1927 and Education Minister from October 1930 *Address* Nurpur Noon, Dist Shahpur, Punjab

MALIK MOHAMMED UMAR HAYAT KHAN (TIWANA), COLONEL, THE HON. NAWAB, SIR KCIE, CBE, MVO Member of Council of State, 1921, *b* 1875 *Educ* Chiefs' Coll, Lahore One of largest landholders in Punjab Attached to H M the Amir, 1907, Deputy Herald, Delhi Durbar, 1911, Member of Imperial Council, 1910-1921 *Address* Kalra, Shahpur

MALLIK, DEVEDRA NATH, BA (Cantab), ScD (Dub), FRSE, ILS (Retd), Principal, Carmichael College, Rangpur, Bengal, since 1926 *b* Bengal 1866 *Educ* St Xavier's Coll, Calcutta, University Coll, London, Peterhouse Cambridge *Publications* Numerous works on Mathematics and Physics *Address* Rangpur, Bengal

MANIPUR, H H MAHARAJA CHURA CHAND SINGH, CBE *b* 1885, *m* March 17, 1905 *Educ* Mayo College, Ajmer *s* 1891 State has area of 8,456 sq miles, and a population of 445,606 Salute 11 guns *Address* Imphal, Manipur State, Assam

MANOHAR LAL, MA (Punjab), BA (Double First Class Honours) Cambridge, Philosophy and Economics, Bar at-Law, Minister of Education, Punjab Government 1927-1930 *b* 31 Dec 1879 *Educ* Punjab University, and St John's College, Cambridge McMahon Law student, St John's Cambridge, Brotherton Sanskrit scholar, Cambridge, Cobden Prize, Cambridge, Whewell scholar in International Law, 1904 1905, Principal, Randhir College, Kapurthala, 1906-1909, Minto Professor of Economics, Calcutta University, 1909-1912, Advocate, High Court, Lahore *Publications* 'Articles' on economic subjects *Address* Fane Road, Lahore

MANSINGH, SARDAR, BA, LLB Advocate, High Court, Lahore Vice-President, The Chief Khalsa Diwan (1923-1925), *b* 1887 *Educ* Khalsa College, Amritsar, won Gold Medal for writing Punjabi poetry is a larger of more than 20 years standing worked as the Senior Counsel and in charge of the Law Department of Shromani Gurdwara Prabandhak Committee, Lahore (1926-1929), edited Khalsa Young Men's Magazine from 1905 to 1909 Member, Legislative Assembly (1921-23) Secretary, Reception Committee, XVII Sikh Educational Conference, Lahore held in 1926 Hon Secretary, Khalsa High School, Offg Judge, High Court, Patiala, 1930 May 1932 Now Practising as an Advocate at High Court, Lahore *Publications* Translated Kalidasa's Vikramorvasi from Sanskrit into Punjabi poetry and prose, has written religious tracts *Address* 26, Temple Road, Lahore

MANSINGHI, see JHALA

MARSHALL, SIR JOHN HUBERT, KT, cr 1916, CII 1910, Litt D, Ph D, FSA Hon ARIBA, Commander of the Order of Leopold Vice President of the India Society, Director General of Archaeology in India from 1902 to 1931 now officer on Special Duty, *b* Chester 19th March 1876, *m* 1902 Florence, *p d* of Sir Henry Longhurst CVO *Educ* Dulwich and King's College, Cambridge (Scholar and Hon fellow) Craven Travelling Student *Address* Simla

MASANI, RUSTOMPETHJI, MA, JP, Managing Director, Parsi Industrial and Trading Co, Ltd *b* 23 Sept 1876 *m* 9 Decr 1902 Manjeh P Wadia, *Educ* New H S and Iphinstone Coll, Fellow, Iphinstone College, 1897 and 1898, Jt Proprietor and Editor of *Gup Sup* (1895) Editor of English columns of *Kasari Hind* (1891 1900), Editor *Indian Spectator* (1901 02), Fellow of the Bombay University and of the Institute of Bankers, Trustee, N M Wadia Charities, President, Anthropological Society, Bombay, Vice President, Bombay Vigilance Association, Jt Hon Secy, Society for the Protection of Children in W India, also of the K R Karna Memorial Institute and the Parsi Girls' Schools Association and Trustee, Secretary, Bombay Food Prices Committee (1914-17) Municipal Secretary, 1907-1919 Dy Municipal Commissioner (1919 25) Municipal Commissioner, 1922 Manager Central Bank of India, Ltd, 1926 1928 Secretary, Bombay Provincial Banking Inquiry Committee 1929 1930, Joint Secretary, Indian Central Banking Inquiry Committee 1930 1931 Director, Oriental Government Security Life Assurance Co *Publications* English, Child Protection, Folklore of Wells The Law and Procedure of the Municipal Corporation Bombay The Conference of the Birds, a Sufi Allegory, Evolution of Local Self Govt in Bombay Gujarati *Dolatno Upayog* (Use of Wealth), *Gharu tatha mehalu kelarni* (Homes and School education), *Tansukh mala* (Health series), and novels named *Abyssiniano Hobshi*, *Bodhlu*, *Chandra Chal* *Address* Versova (via Andheri Station)

MASOOD, SIR SYED ROSS NAWAB MASOOD JUNG BAHADUR, KT (1933) Vice Chancellor, Aligarh Muslim University from 1929 *b* 1889 *Educ* MA O College, Aligarh, and New College, Oxford Bar at-Law, Imperial Education Service, Headmaster, Patna School, 1913 Senior Prof of History, Ravenshaw College, Cuttack, 1916, Formerly Fellow of the University of Calcutta, Fellow of the Madras University, Member Council of the Osmania University, Member, Court of the Muslim University, Aligarh *Publications*, "Japan and its Educational System", Director of Public Instruction, Hyderabad, Deccan, 1916-1928 *Address* Aligarh, UP

MASTER, ALFRID, BA (Oxon), CIE (1931) ICS, formerly Collector of Bombay and Bombay Suburban District (On leave) *b* 12th Feb 1883 *m* Dorothy Amy Thorne *Educ* Epsom Coll, Braseuouse Coll, Oxford, Asstt Collr, 1906, Municipal Commissioner,

MAHALANOBIS, S C, B Sc (Edin), F R S E, I E S, (retired) Prof of Physiology, Carmichael Medical College, Calcutta, Presidency Coll Calcutta, 1900-27 Fellow, and Professor Calcutta University, President, Board of Higher Studies in Physiology, Member, Governing Body, Science College, Calcutta University b Calcutta, 1867, m 1902 fourth d of Keshub Chunder Sen and sister of H H the Maharani of Cooch-Bihar *Educ* Edinburgh Univ *Publications* Muscle Fat in Salmon Life History of Salmon, New form of Myograph Teachers' Manual, Text Book of Science *Address* 45, New Park Street, Calcutta

MAHDI HUSAIN, KHAN WAHID-UD-DAULA, AZOD-UL-MULK, NAWAB MIRZA KHAN BAHADUR, C I E, b 1834 *Educ* India, Arabia Travelled extensively in Arabia, Persia, Afghanistan, Baluchistan, and Europe, visited Mecca, Medina, Kaymlani, *Address* Tirmingaz, Lucknow

MAHMOOD SCHAMNAD, SAHEB BAHADUR, KHAN BAHADUR (1930), M L C, Landholder, Member, Legislative Council, Madras (elected) and Elected Member, S Kanara District Board Elected Member, S K Dist Educational Council b 7 March 1870 m 1896 to Mrs Maryam Schamnad *Educ* St Aloysius' College and Govt College, Mangalore and Christian College, Madras Served on the South Kanara Dist Board for about 15 years, Hon Magistrate for 10 years, since 1913 Pioneer of Moplah education in S Canara Started the Azizia Muslim Educational Association in South Kanara in 1907 and Madras Moplah Amelioration Committee in 1922 Elected Member of the First and Second Legislative Assembly and 3rd and 4th Legislative Council Government awarded a Coronation Medal and a Certificate in recognition of his services on Local Boards and his special interest in Moplah education, Presided at the 3rd Annual Confe of all Kerala Muslim Aikya Sangham in 1925 Leader of the Govt Deputation to the Andamans to investigate into the Moplah Colonization Scheme in 1925, Presided at the first district Muslim Educational Confe, S Kanara in 1926 Member, Mahomedan Religious Endowment Committee, Kasaragod Vice-President, Madras Presidency Moslem League, Member, Staff Selection Board, Madras, 1928, Member, Senate Madras University, 1930 President, Taluk Board, Kasaragod *Publication* The Moplah Willsh Act, 1928 (Madras) *Address* Sea View, Kasaragod, S Kanara

MAHOMEDALI, KHAN BAHADUR, NAWAB SYED I S O Ent Govt Service, 1873, Insp-Gen of Registration, Bengal, retired, 1913, a distinguished Urdu scholar and dramatist, wrote The Nawabi-Darbar, and Adventures of Notorious Detective in English *Address* 4, Ballygunge, Calcutta

MAJITHIA, THE HON SARDAR BAHADUR SIR SUNDAR SINGH, Kt (1926) C I E (1920), Ex Revenue Member, Government of Punjab, b 17th Feb 1872, m Grand-daughter of Sardar Sir Attar Singh, K C I E, Chief of Bahadur (Patiala State) *Educ* Punjab Chiefs College and Government College, Lahore

Worked as Hon Secretary of the Khalsa Coll; Amritsar for 11 years and Hon Secretary, Chief Khalsa Diwan, a representative body of the Sikhs from its inception in 1902 to the close of 1920 *Address* "Majithia House," Albert Road, Amritsar (Punjab)

MAJUMDAR DWIJA DAS, M Sc, Assistant Controller of Stationery, Government of India Offg Deputy Controller of Stationery and Stamps, in October, 1927, and Offg Manager, Central Publication Branch March, 1930 b 2nd Feb 1890 m Abhamayee, d of late Promatna Nath Gnosh, Zemindar of Bhagalpur *Educ* Krishnagar Collegiate School, Krishnagar College, and Presidency College, Calcutta Entered Bengal Junior Civil Service, 1915, Bengal Survey Office as Asstt to the Officer in Charge, Bengal Traverse Party, 1917, Asstt Controller of Printing, Stationery and Stamps, Govt of India, 1924, Acted as Hon Secretary, Bengal Junior Civil Service from 1921 to 1926 *Address* 20/2 B, Ray Street, Elgin Road, Calcutta

MALAVIYA, PANDIT KRISHNA KANT, Editor of *Abhyudaya Educ* at Allahabad *Publications* Sansar Sankat, Sohaghat Manoramas' Patra, Matritva or Motherhood and Baby Care and many others in Hindi Member, All-India Congress Committee, Vice President, District and Town Congress Committee, Allahabad, Twice elected to the Legislative Assembly, Ex-Secretary of the Independent Congress Party and All-India Hindi Sahitya Sammilan *Address* Abhyudaya, Allahabad

MALAVIYA PANDIT MADAN MOHAN, b Allahabad, 25 Dec 1861 m 1884, four sons and three daughters *Educ* Sanskrit at the Dharma Jnanopadesh Pathshala, Govt High School, Muir Central Coll, Allahabad, B A (Calcutta), Schoolmaster, 1885-87, edited the Indian Union, 1885-1887, the Hindustan, 1887-1889 The Abhyudaya, 1907-1909, LL B, Allahabad University, 1892, Vakil, High Court, Allahabad, 1892, Member, Prov Leg Council, 1902-12, President of Indian National Congress, 1909 and 1918 Member, Imp Leg Council 1910-1919, Member, Indian Industrial Commission, 1916-18, President, Sewa Samiti, Prayag, Chief Scout, Sewa Samiti Scouts' Association, Vice-Chancellor, Benares Hindu University since 1919, President, Hindu Mahasabha, 1923-24 President, Sanatana Dharma Mahasabha, Member, Legislative Assembly since 1924 Resigned 1930 *Address* Benares Hindu University

MALER KOTLA, HON KHAN, SIR ZULFIGAR ALI KHAN, K.C.S.I., C.S.I. estate holder in Maler Kotla State, Ch Minister of Patiala State, since 1911, Elected member of the Council of State from 1921 to 1925, at present elected member in the Legislative Assembly representing East Central Punjab Muslims *Publications* has written many books including Lives of "Maharaja Ranjit Singh" and 'Sher Shah, Emperor of India also "The Poetry of Iqbal" b 1875, *Educ* Chiefs' Coll, Lahore, Cambridge, Paris *Address* Lahore

of the Rev Henry Halsey, D D *Lduc* Marlborough and Corpus Christi College, Oxford Entered the ICS 1900, Collector of Salt Revenue 1916, Dy Commissioner of Salt and Laxice, 1917-1919, acted as Private Secretary to the Governor of Bombay, 1920-21, Secretary, Retrenchment Committee, 1921-23, Collector and District Magistrate from 1921, acted as Secretary to Government of Bombay, General Department, 1928, Special duty as Revenue Officer, Bardoli Revision Settlement Inquiry 1928-1929, Private Secretary to the Governor of Bombay, 1929 Secretary to Government of Bombay, Home Department, 1931 *Address* Secretariat, Bombay

MD ABDUR RAHMAN, SH KT (1911) BA (1907), LLB (1910), Khan Bahadur (1920) Advocate and Vice Chancellor, Delhi University, Delhi *b* 5 Oct 1888 *Lduc* St Stephen's College Delhi Law College, Lahore Elected Member in the Municipal Committee of Delhi from 1922-1930 Elected Senior Vice President, 1921-27 Elected and appointed Vice Chancellor in November 1930 re-elected in 1932 *Address* 26, Leroz-e-hali Road, New Delhi

MEHRBAN, NOWSHERWAN ASPADIAP BA, Fellow of the Royal Statistical Society, Investigator, Labour Office and Asst Registrar of Trade Unions, Bombay Presidency *b* 2nd June 1890 *m* Jerbanoo *d* of Dr Hormusjee D Pesikaka *Lduc* Boys' High School Allahabad, St Xavier's High School, Bombay and Elphinstone College, Bombay, Gulkar Scholar, Elphinstone College Secretary to Sir Dorab Tata, 1912, Secretary, R G Baldoek Ltd, 1917, Secy, Indian Traders Pty Ltd, 1919, Secy, Messrs Australian & Eastern Co, Pty, Ltd, 1921, appointed Investigator, Labour Office, Government of Bombay 1923, and Asst Registrar of Trade Unions Bombay Presidency, 1927, Officialised as Senior Investigator, Labour Office in 1923 and 1929-30 and as Registrar of Trade Unions, Bombay Presidency in April May 1930 Secretary, Bombay Strike Inquiry Committee (Fawcett Committee) from October 1928 to April 1929 Technical Adviser to Government Delegates and Secretary to Indian Delegation, 15th Session, International Labour Conference, Geneva, 1931 On deputation to the British Ministry of Labour and the International Labour Office whilst on leave out of India, 1931 *Publications* Compiled section on "Labour" for the Indian Year Book, 1930 *Address* Mount Vilas, Bandra Hill, Bandra

MEHTA, KHAN BAHADUR SIR BEZONJI DADA BHOL, KT *Address* Nagpur

MEHTA SIR CHUNILAL VIJYHUGANDAS, KT, KCSI (1928) MA, LLB, Provincial Scout Commissioner *b* 12 Jan 1881 *m* to Tarabai Chandulal Kankodiwalla *Lduc* St Xavier's College, Bombay, Captain, Hindu XI, elected to the Bombay Municipal Corporation in 1907, Chairman, Standing Committee, 1912, President of the Corporation, 1916 Elected to the Bombay Legislative Council by the Corporation in 1916, elected

to the City Improvement Trust 1918, Chairman of the Indian Merchants' Chamber, 1918 Elected to the Bombay Port Trust, 1920, Millowner and Chairman Bombay Provincial Co-operative Bank, Ltd Director, The Bombay Steam Navigation Co, Ltd, The New India Assurance Co, Ltd, The Bombay Suburban Electric Supply, Ltd, The Bundel Portland Cement Co, Ltd, The Bank of India Ltd, Tata Iron and Steel Co, and several other joint stock companies Minister, Bombay Government, 1921-23 Member of the Executive Council of the Bombay Government, 1921-28 President, Indian Merchants' Chamber (1931) *Address* 42, Ridge Road, Malabar Hill, Bombay

MEHTA, DHANJIBHAI HOIMUSJI, L M & S C I (1911) Kalsar-I-Hind Gold Medal (1920) Donat of St John Silver Medal (1917), Raj Ratan Silver Medal, Baroda (1916) Associate Serving Brothers Lodge at the hands of His Majesty during the Centenary Celebrations of St John Ambulance Association, 1911 Retired Sanitary Commissioner, Baroda *b* 1 February 1881 *m* to a cousin *Lduc* Sir Cowasji Jehangir Noorji Zarthosti Madressa and the Grant Medical College, Bombay Joined Baroda Med Service, 1887, did inoculation work with Prof Haffkine, gave evidence on the value of inoculation before 1st Plague Commission Did Cholera inoculations with Major Lamb Has popularised St John Ambulance work and Red Cross Work all over Gujarat, Sind, Kathiawar, Central India, Central Provinces, Punjab, N W I Province, Rajputana, Khundesh, Deccan and Thana District by giving over 900 lectures earned for the Red Cross over Rs 1,31,000 by enrolling 3,170 Members, and published 48 books on Ambulance Nursing, Hygiene, Midwifery Red Cross etc Contributed Rs 20,000 for erection of Parsi Ambulance Division Headquarters Building, Bombay *Address* Malsar, Navsari

MEHTA, LATIH LAL, *s* of late Rai Pannalal, CIL Member of the Meharaj Sabha (Highest Judicial Court) *b* 1868 *Publication* "Handbook of Mewar and Guide to its Principal Objects of Interest" *Address* Rai, Pannalal Mansion, Udaipur, Rajputana

MEHTA, THE HON SIR HOIMUSJI MANFORJI, KT (1933), Member, Council of State, Merchant and Millowner *b* 1 April 1871 *m* to Gulbai, *d* of late Mr H R Umrigar *Lduc* at Bombay Started life as assistant in Bombay Mint in 1888 subsequently joined China Mill, Ltd and started business on his own account in 1896, bought Victoria Mills in 1904, Jubilee Mills in 1914, Raja Gokaldas Mills in 1916, Gokwar Mills in 1929 Established Zenith Life Assurance Co in 1912 and British India General Insurance Co, Ltd in 1919 Established Poonra Electric Supply Co, Ltd, in 1916, Navsari E I Co, Ltd in 1922 and Nasik Deolali Electric Supply Co, Ltd, in 1930, T R Pratt Bombay Ltd and M T Ltd in 1919, Uganda Commercial Co, Ltd, in 1922 in East Africa Nadiad Electric Supply Co, Ltd, in 1931 *Address* Carmichael Road, Cumballa Hill, Bombay

Ahmedabad, 1917, Major I A R O, 1918, Secretary to Government of Bombay, General Department, 1925, Collector 1926, President of Civil and Military Examination Committee, 1930 *Publications* Articles in Numismatic, Supplement of *Beigal*, R A S on Indian Numismatics and in Journal of Bombay B R A S on Gujarati Phonetics, articles in Local Self-Government Journal on Local Administration *Address* Secretariat, Bombay

MATHER, RICHARD B Met, M I E (India) Chief Technical Adviser, Tata Iron and Steel Co b 19 Sept 1886 *Educ* Royal Grammar School, Sheffield, Univ of Sheffield, Mappin Medalist 1906, Metallurgist Ormsby Iron Works, Middlesbrough, 1907-1911, Dy Dir Metallurgical Research, War Office, Woolwich, 1911-1919 and 1926 Member of Govt Commission to investigate German and Luxemburg Steel Industry, 1919, Metallurgical Inspector to Govt of India, 1920-25 Technical Adviser, Indian Tariff Board, 1923-24, and 1926 Member of Iron and Steel Institute Inst of Metals, Faraday Society, Technical Inspection Institute *Publication* Papers for technical societies *Address* Bombay

MATHESON, LIEUT GENERAL SIR TORQUHIL GEORGE, K C B (1921), C M G (1919), General Officer Commanding-in-Chief Western Command, India b 4 Feb 1871 m The Lady Elizabeth Keppel, A R R C, only d of the 8th Earle of Albemarle *Educ* Eton, 4th Battalion Bedfordshire Regiment, (Herts Institution), 1890-1894, Coldstream Guards, 1894-1919, Bn Adjutant 1897-1902, Regimental Adjutant and Brigade Major Vol Bde 1903-1905, attached General Staff as Bde Major, 1907-1911, Great War 1915-1919, served in Waziristan, 1920-24, commanded 54th (East Anglian) Div T A and East Anglian area 1927-1930, appointed G O C in Chief, Western Command, India, 1931, promoted Brevet Lieut-General 1930 *Address* Flagstaff House, Quetta

MATTHAI, JOHN, B A, B L (Madras), B Litt (Oxon), D Sc (London), President, Indian Tariff Board, b 10 Jan 1886 m Achamma John 1921 *Educ* Madras Christian College, London School of Economics, Balliol College, Oxford High Court Vakil, Madras, 1910-14, Officer on special duty, Co operative Department, Madras, 1918-20, Professor of Economics, Presidency College, Madras, 1920-25, Professor of Indian Economics, University of Madras, 1922-25, Member, Madras Legislative Council, 1922-25, Member, Indian Tariff Board, 1925-31, President, Indian Tariff Board, Simla, 1931 *Publications* Village Government in British India, Agricultural Co operation in India, Excise and Liquor Control *Address* Tariff Board, 1, Council house Street, Calcutta

AULA BAKHSI, NAWAB, MAULA BAKHSI KHAN BAHADUR, C I E of Batala, Punjab, India, b 7 May 1862, m 2nd daughter of Haji Mirza Abbas Khan, C M G, C I E, British Agent, Khurasan, Persia Three s, five d Joined Punjab Postal Dept and having volunteered for service as Field Postmaster proceeded to Kandahar

Frontier, 1880, Manager, Dead Letter Office, and Postal Stock Depot, Karachi, 1881, joined Imperial Circle, Public Works Dept, Simla, 1882 Services placed at disposal of Foreign and Political Dept, 1887, on special duty, North-Eastern Persia, 1887-1888, Attache, Hashtadan Perso-Afghan Boundary Commission, 1888-89, Attache to Agent to Governor-General and H B M's Consul-General, Meshed, 1890 Asst Agent Govr Genl, Khurasan and Seistan, 1894, British Vice-Consul, Khurasan and Seistan, 1896-98, on Special Political duty in Kain, Seistan and Baluchistan, 1898, on special duty in Intelligence Branch, Quarter-Master-General's Dept, Simla, for revising Gazetteer of Persia, 1898-1899, Asst Dist Supdt of Police in charge Nushki District, Baluchistan, 1900, Extra Asstt Commissioner and Magistrate, Punjab, 1900-1, Personal Assistant to Chief Commissioner, Baluchistan, 1901-2, Attache, Seistan Boundary Commission, 1902-4, Oriental Secretary, Kabul Political Mission, 1904-05, Attache, Foreign and Political Dept Government of India, 1905-19, Chief Indian Political Officer with H M Amir Habibullah Khan of Afghanistan during H M's Indian tour, 1906-7, Political Officer, North West Afghan Frontier Field Force, 1919, Secretary, Indo-Afghan Peace Conference, Rawalpindi, 1919 Home Minister, Jammu and Kashmir State, 1919-22, Member, Jammu and Kashmir State Council, 1922-23, Chief Minister, Bahawalpur State, 1925-28 *Address* Woodlands, Simla, E Iram, Srinagar, Kashmir, Ifatabad, Lyallpur Dist.

MAUNG KUN B A, Bar-at-Law and Member, Burma Legislative Council, b 27 August 1891 m Ma Aye *Educ* Government High School, Bassein, Burma, The Rangoon College, Rangoon, and Gray's Inn, London, Assistant Registrar, Chief Court of Lower Burma at Rangoon from 1918-1920 when resigned and started practice at the Bar *Address* Bassein, Burma

MAUNG TOK KYI, B A, b 1884 *Educ* Rangoon College Member of the Subordinate Civil Service, Burma, from 1908 to 1920, resigned Govt service and joined editorial staff of *The Sun* in 1920, became Managing Director, 1921, elected to the Municipal Corporation, Rangoon, 1922, elected Member, Leg Assembly, 1923 and elected to Rangoon University Council, 1924 Founded Burma Swaraj Party and elected its leader, 1925 Re-elected Member, Legislative Assembly, 1926 Founded "The Kesara", a weekly Burmese paper in 1929 Resigned the Directorship of the Sun Press Ltd, Rangoon, held from 1920 to 1929 with a short break Resigned from Legislative Assembly, 1930 *Address* 7, Strand Road, Moulmein

MAWNG, SIR SAO, K C I E, K S M, SAWBWA OF YAWNGHWE, Member of Federal Council of Shan Chiefs *Address* Yawnghwe, Shan States, Burma

MAXWELL, REGINALD MAITLAND, C S I (1933), M A (Oxon), C I E (1923), I C S, Secretary to Government of Bombay, Home Dept, b 21 Aug 1882 m Mary Lyle, d

- Joyce Potter *Educ* Charterhouse and Christ Church, Oxford Served in Punjab, 1908-1913, Entered Political Department, 1913 Asst Private Secretary to Viceroy, 1914-1917, served in N W F P 1917-1925, Counsellor to Legation, Kabul 1925-1926, served in N W F P 1926-1930, Deputy Secretary to Government of India, 1930-1932, Foreign Secretary to Government of India, May 1932 *Address* c/o Foreign and Political Department, New Delhi
- MIAN, ABDUL RASHID THE HON MR JUSTICE B A, (Punjab), M A (Cantab) Temporary Judge, High Court, Lahore b 29 June 1889 *m d of* Nawab Mirza Baksh, C I E, *Educ*, Central Model School and Forman Christian College, Lahore, and at Christ's College, Cambridge Practised at Lahore, 1913-1933, appointed Asst Legal Remembrancer, 1925, officiated as Govt Advocate Punjab in 1927, 1929 and 1930 *Address* 16, Masson Road, Lahore
- MILVILLE, ERIC CHARLES, C M G (1930), C I S (1933), Private Secretary to H E The Viceroy b 31 January 1896 *m, Dorothy, d of* G C A Haslock, Cobham, Surrey *Educ* St Paul's School Entered China Consular Service in 1919, was Private Secretary to successive British Ministers in Peking, 1919-27, Secretary to Governor General of Canada, 1927-31, appointed Private Secretary to the Viceroy, April 1931 *Address* Viceroy's Camp, India
- MILLER, SIR DAWSON, KT, K C, Ch Justice of Patna High Court, since 1917, b Dec 1867 *Educ* Durham Sch and Trinity Coll, Oxford Bar, Inner Temple, 1891 *Address* High Court, Patna
- MILLER, ARTHUR CONGREVE, M A (Cantab) O B E (1924), Principal, Rajkumar College, Rajkot b 24 Jan 1877 *m Molly Celia Miller (nee Freeth) Educ* S Edward's School, Oxford and Selwyn Coll, Cambridge Schoolmaster 1898-1908 in England, Scotland and South Africa, 1908-1911 Schoolmaster in India In 1911 joined Indian Educational Service as Headmaster, Belgium, Inspector, S D Assist to the D P I, Vice Principal of Rajkumar College, Rajkot, Principal of D J Sind College, Karachi Obtained Commission in the Army and was demobilised in 1919 as Captain Organiser and Provincial Secretary of Boy Scouts in the Bombay Presidency, Inspector of European Schools, Educational Inspector in Sind, Principal Rajkumar Coll, Rajkot *Publications* Seven Letters to Indian Schoolboys, Monograph on School Management, Barnaby Rudge (Stories retold series) *Address* Rajkumar College, Rajkot
- MILLER, THE HON MR ERNEST, Member of Council of State and General Manager (Development) for India, Burma-Shell Oil Storage and Distributing Co of India, Ltd and Chairman, Bombay Chamber of Commerce (1931) b 22nd June 1879 *Educ* private school Entered firm of Arbutnot Ewart & Co, London, 1900 and came out to India in 1902 being stationed at both Bombay and Karachi until 1914 Joined Scots Guards September 1914 and proceeded to France Nov. 1914, War Office, London, 1917 and attached British War Mission to U S A 1918 Demobilised 1919 with Ag rank of Captain and returned to India as Manager of Ewart Ryrie & Co, Karachi Joined Asiatic Petroleum Co (India) Ltd 1921 and posted to Calcutta, transferred Bombay 1925 With Burma-Shell since formation 1928, Member of Committee, Bombay Chamber of Commerce, 1926, 1928 and Vice-President, 1929 Member, Bombay Legislative Council Committee attached Simon Commission, Member of Indian Franchise Committee, 1932, President, Indian Roads and Transport Development Association *Address* Claremont, Malabar Hill, Bombay
- MILLER, SIR LEFSLT, KT (1914), O B E (1919), Chief Judge, Mysore, 1914-22 b 28 June 1862 *m Margaret Lowry, O B E Educ* Charterhouse, and Trinity College, Dublin Entered I C S, 1881 Judge of the Madras High Court, 1906-14 *Address* Glen Morgan, Pykara, Nilgiri Hills
- MIRZA M ISMAIL, AMIN-UL-MULK, SIR, KT (1930), B A (1905), C I E (1924), O B E (1923), Dewan of Mysore b 1883 *m Zebunda Begum of Shirazee family Educ* The Royal School at Mysore, Central College, Bangalore, for B A, Superintendent of Police, 1905, Asstt Secretary to H H the Maharaja, 1908, Huzur Secretary to H H the Maharaja, 1914, Private Secretary to H H the Maharaja, 1922 Dewan of Mysore, 1926 Invited to the Round Table Conference in 1930 as a delegate from South Indian States, and in 1931 as a delegate of Mysore, Jodhpur and Jampur (Rajputana) Member of the Consultative Committee Delegate to the Third Indian Round Table Conference 1932 and the Joint Select Committee, 1933 *Address* Bangalore
- MISRA, PANDIT HARKARAN NATH, B A, LL B (Cantab), M L A (1924), Bar-at-Law (Inner Temple) b 16 July 1890 *m Shrimati Bhagwan Devi of Cawnpore Dist Educ* Muir Central College, Allahabad and Gonville and Caius College, Cambridge (1911-1923) Joined Non Co-operation Movement in 1920 Member of the All-India Congress Committee Senior Vice-Chairman of Municipal Board Lucknow Joint Secretary, Oudh Bar Association, Member of the Bar Council of Chief Court of Oudh, Member of the Lucknow University Court, Chairman, District Board Lucknow *Publications* Asstt Editor of Oudh Law Journal, Lucknow, from 1916-1920 *Address* 6 Neill Road, Lucknow
- MISRA, RAI BAHADUR PANDIT SHYAM BEHARI M A ex-member Council of State, Adviser in Chief Orcha State, Tikamgarh, C I, Member of the Allahabad University Court and Faculty of Arts, and of Benares Hindu University Court, Member Hindustani Academy, U P ex President, All-India Kanya Kuber Sabha, President Kanya Kuber Inter College Committee, Lucknow and President, All-India Hindi Sahitya Sammelan Allahabad b 12 August 1873 *m Miss B D Bajpai, has two s, five d Educ* Jubilee High School and Canning College Lucknow Entered Executive Branch U P Civil Service in 1897 as Deputy Collector,

MEHTA, JAMNADAS M, M A, LL B, Bar-at-Law b 3 August 1884 m Manibai, d of Ratanji Ladhaji Educ Jamnagar, Junagad, Bombay, London Member, Bombay Municipal Corporation, Member, Legislative Assembly, 1923-1929 President, Accounts Staff Union, G I P Ry President, All-India Railwaymen's Federation, Bom Tramwaysmen's Union, Bombay, Port Trust Employees Union, All-India Salaried Employees Federation and Indian Trade Union Unity Conference President B B & C I Railway Employees Union and Bombay Taxi Drivers Union, President, Maharashtra Provincial Congress Committee, 1921-23 President, Bombay Provincial Congress Committee, 1929-1930, President, Thana District Congress Committee, 1921-1932, and Member, All India Congress Committee, 1921-1931 Member of the Working Committee of the Indian National Congress, 1926, Chairman, Asian Assurance Co, Ltd Address Ridge Road, Mulabar Hill, Bombay

MEHTA, JAYSUKHLAL KRISHNALAL, M A Secretary Indian Merchants Chamber, Bombay b 1884 m to Mrs Kumudagauri Educ Wadhwan High School and Gujarat and Elphinstone Colleges Appointed Secretary, Indian Merchants' Chamber, 1907, Services borrowed by the Indian Munitions Board from Chamber and appointed Assistant Controller from September 1917 to November 1918, was nominated Adviser to the Representative of Employers for the third and 14th Sessions of the International Labour Conference, Geneva, in 1921 and 1930 after the Conference he toured about Europe and England both time for seeing the Chambers of Commerce and other commercial organisations there on behalf of the Indian Merchants Chamber, Secretary of the Federation of Indian Chambers of Commerce from 1927-29 Vice-President of the Bombay Suburban District Congress Committee from 1921-25 and President of the Bombay Suburban District Congress Committee from 1925-29 Chairman of the Santa Cruz Notified Area Committee 1927-1932 Address "Krishna Kutir", Santa Cruz, B B & C I and "The Recluse," 31, Murzban Road, Fort, Bombay

MEHTA, DR JIVPAJ NARAYAN, L M & S (Bom), MD (Lond), M R C P (Lond), F C P S (Bom) former Dean, Goidhandas Sunderdas Medical Coll and King Edward Memorial Hospital, Bombay b 29 Aug 1887 m Miss Hansi Manubhai Mehta Educ High School education at Amreli, Baroda State, Grant Medical Coll, Bombay, and London Hospital Formerly Asst Director, Hale Clinical Laboratory, London Hospital London, and Chief Medical Officer, Baroda State Address K E M Hospital, Parel, Bombay

MEHTA, SIR MANUBHAI NANSHANKAR, Kt (1922), CSI (1919), V A, I L P, Prime Minister and Chief Councillor, Bikaner State b 22 July 1868, Educ Elphinstone College, Bombay m Miss Harshid Kumari and on her death again Dharmvanta, 4 s and 7 d Professor of Logic and Philosophy and Law Lecturer, Baroda College, 1891-99 Priv Sec to Gekwar, 1899-1906, Ry Minister and First Councillor, 1914-16, Diwan of

Baroda, 1916-27, Member of the Indian Round Table Conferences 1930, 1931 and 1932, Member, Consultative Committee 1932, Indian States Delegate to the Joint Parliamentary Committee on Indian Reforms, 1933 Publications The Hind Rajasthan or Annals of Native States of India, Principles of Law of Evidence (in Gujarati, 3 Volumes) Address Bikaner

MEHTA, ROOSTUMJEE DHUNJEEBHAY, J P, C I E, Merchant, Port Commissioner, 1888-91, Chairman, Local Board, Allpur, 1886-1917, Chairman, Mamaktolla Municipality, Sheriff of Calcutta, 1893, Consul for Persia at Calcutta 1899-1904, Presidency Magistrate Publications The Exchange Imbrogho, Indian Railway Economics, Indian Railway Policy, Indian Railway Management Address 9, Ramey Park, Ballygunge, Calcutta

MEHTA, VAIKUNTH LALUBHAI, B A, Managing Director, Bombay Provincial Co-operative Bank, Ltd b 23 Oct 1891 m Mangla, d of Prataprao Vajeshanker of Bhavnagar Educ New High School, Bombay, Elphinstone College, Bombay Winner of Ellis Scholarship for highest number of marks in English at the B A Examination Worked with Central Famine Relief Committee and Servants of India Society for famine relief work, 1911-12 Hon Manager Bombay Central (Provincial) Co-operative Bank, Ltd Bombay (1912-15) as Manager from 1915-1922 and Managing Director since 1922 Editor, Social Service Quarterly, since 1915 Bombay Co-operative Quarterly, 1916-30, Secretary, Social Service League, Bombay, Member Executive Committee, Bombay Provincial Co-operative Institute, Bombay, Member, Bombay Provincial Banking Inquiry Committee, 1929 Joint Hon Secretary, Bombay Swadeshi League, 1932, Member, Bombay Provincial Board, Servants of the Untouchable Society Publications The Co-operative Movement (The Times of India Press), 1915, The Co-operative Movement in India (Servants of India Society pamphlet in collaboration with Mr V Venkata Subbaya), (Arya Bhuvan Press), 1918 Studies in Co-operative Finance (Servants of India Society pamphlet), 1927 Address Murzbanabad, Andheri (B B & C I Railway)

MERCHANT, FRAMROZ RUSTOMJI, F S A A, J P, Asst Commissioner of Income Tax, Bombay City b 12 Nov 1888 Educ Bombay and London Formerly, Professional Accountant and Auditor, Lecturer in Accounting, Sydenham Coll of Commerce and Economics, Offg Secretary and Chief Accountant, City of Bombay Improvement Trust Examiner in Accounting to the Univ of Bombay Publications "Elements of Book-keeping", "Company Secretary and Accountant", "Income Tax in relation to Accounts", "Indian Income-Tax Simplified", "Book-Keeping Self-Taught, etc Address 33 35, New Queen's Road, Bombay, (4)

METCALFE, HERBERT AUPREY FRANCIS, B A, (Oxon), CSI (1933), C I E (1929), M V O (1922), Indian Civil Service (Political Department) b 27 Sept, 1883 m Elmer

MODY, HORMUSJI PEROSHAW, MA (1904), LL B (1906), Advocate, High Court, Bombay b 23 Sept 1881, m Jerbai, d of Kavasi Dadabhoy Dubash *Educ* St Xavier's Coll, Bombay Mem of Bombay Mun Corp Chairman of its Standing Committee, 1921-22, and President, 1923-24, Chairman, Bombay Millowners' Association, 1927-28, 1929-30, 1930-31, 1931-32, 1932-33 and 1933-34, President, Indian Merchants' Chamber, 1928-29, President, Employers' Federation of India, 1933-34, Member, Legislative Assembly, Member, Round Table Conference and Reserve Bank Committee Director, Central Bank of India, Ltd, and many other concerns *Publications* The Political Future of India (1908), Life of Sir Pherozeshah Mehta, (1921) *Address* Cumballa Hill, Bombay

MOENS, MAJOR GENERAL ARTHUR WILLIAM HAMILTON MAY, CB (1923), C MG (1919) D SO (1917), Commander, Lahore District, since 1931 b 1879 m 1st 1908, Agnes Swetenham, d of late Thelwell Pike MD, 2nd, 1919 Agnes Marianne, d of late Captain A G Douglas, RN, and widow of Captain D Affleck Graves, RE *Educ* Charterhouse, R MG Sandhuist Served Somaliland, 1903-04, (medal and two clasps) European War, (Mesopotamia), 1915-18, (despatches), D SO, Brevet Major, Brevet Lt-Col Iraq Rising, 1920-21 (despatches) *Address* Lahore

MOHAMMAD EJAZ RASUL KHAN, RAJA, CSI (1924), Talukdar of Jahangirabad b 28 June 1884 *Educ* Colvin Talukdars School, Lucknow First non official Chairman of the District Board, Bara Banki Besides numerous other charitable contributions, the following are the chief—Rs 1,25,000 to the Prince of Wales' Memorial, Lucknow, Rs 50,000 to Sir Harcourt Butler Technological Institute, Cawnpore, and Rs 1,00,000 to the Lucknow University Member of the Red Cross Society Contributed Rs 10,000 to Lady Reading Child Welfare Fund and Rs 5,000 to Aligarh University for Maris Scholarship, Vice-President of the British Indian Association and Member of the United Service Club, Honorary Magistrate and Honorary Munsif, Chairman, Board *Address* Dist Bara Banki, Jahangirabad Palace Lucknow

MOHAMMAD YAKUB, MAULVI SIP, Kt, Lawyer b 27 Aug 1879 m Wahida Begum, Editor Tehzib-e-Niswan, Lahore (d in 1917) *Educ* M A O College, Aligarh, First non-official Chairman, Municipal Board, Moradabad, Senior Vice Chairman, District Board, Trustee M A O College, Member, Court of Muslim University, Aligarh, Presided over All India Muslim League Session 1927 Member, Age of Consent Committee, 1928 Member, Legis Assembly, Deputy President, Legislative Assembly, President, Legislative Assembly 1930, Hon Secretary, All-India, Muslim League Member, Indian Franchise Committee 1922 *Address* Mohallah Moghalpur, Moradabad

MOHAMMAD ZAFRULLA KHAN (See under Zafulla Khan Chaudhary Muhammad),

MOHAMMED YAMIN KHAN THE HON MP, BA, CIE, (1931), M L A, of the Allahabad University (1911), Bar-at-Law, Member, Council of State (1924), Senior Vice Chairman, Municipal Board, Meerut b June 1888 m to a co's in *Educ* at Meerut College, M A O College, Aligarh and England Practising as Barrister in Meerut, since Dec 1914 Acted as Secretary of U P War Fund for Meerut District, Secretary, Y M C A Funds, Secretary, Dist War League Was elected a member of the Municipal Board, Meerut, in 1916 and Vice-Chairman a year later, Elected Member, Legislative Assembly, 1920, Member of the Legislative Assembly, 1920-1923 Nominated a member of Leg Assembly to represent U P in 1927 Elected Chairman Municipal Board, June 1928 Elected Member, Leg Assembly from Agra Division, 1930 *Address* Junnath Nishan, Meerut

MOHAMED ABBAS KHAN, KHAN BAHADUR Merchant Educ in Mysore A member of the representative assembly, Mysore, for over 20 years, served as member of Mysore Legislative Council for over 10 years, as Hon President, Bangalore City Municipal Council for nearly 4 years, has been General Secretary, Central Mahomedan Association, for 25 years, Presided over non-Brahmin Youth League, Madras, 1928, Elected President, Mysore State Muslim Conference 1932 *Address* Muslim Hall Road, Bangalore City

MOLONEY WILLIAM JOSEPH, General Manager for the East, Reuters Limited, and General Manager, Associated Press of India b May 28, 1885 m Katharine, elder daughter of Sir Francis Elliot, G C M G, G C V O, *Educ* Redemptorist College, Limerick and Royal University of Ireland Reuters Correspondent in Teheran, Constantinople, Paris, Amsterdam, Copenhagen and Berlin *Address* Reuters Limited, Bombay

MOOKERJEE, SIR NARAYAN, Zamindar of Uttarpara. b April 1859 Member, Bengal Legislative Council since 1918 m 1878, one's *Educ* Uttarpara School, Presidency College Calcutta, Chairman of the Uttarpara Municipality since 1887, Chairman of the Bench of Hon Magistrates, 1889, Managing Committee of the British Indian Association, 1889, a Member of the Asiatic Society, a life Member of St John Ambulance Association, Member of the Provincial Advisory Committee for Indian Students, 1918, a Member of the National Liberal League, and Vice-President of Bengal Humanitarian Association, elected to Executive Committee of All-India Land holders' Association, 1919 *Address* Uttarpara, near Calcutta

MOOKERJEE, SIR RAJENDRA NATH, K C I E, K C V O (1922), M I M E (Hon Life), M I E (I & D), D Sc (Eng), F A S B, Civil Engr, b 1854 Educ London Missionary Institution at Bhowanipur Presidency College, Civil Engineering Branch, Calcutta, Senior Partner in Martin & Co, and Burn & Co, Calcutta, Member of Indian Industrial Commission, 1917-1918 Member of Indian Railway Committee, 1920-1921

was on special duty in 1903, 1908, 1909, 1921 and 1922 in connection with consolidation of agricultural holdings on the last occasion, was Deputy Superintendent and Offg Superintendent of Police (1906-09), on deputation as Dewan, Chhatarpur State, C I (1910-14) Personal Asstt to Excise Commr, U P (1917-20), Dy Commr, Gonda (1920-21) for over a year, besides having twice officiated as Magte and Collr of Bulandshahr Jt Registrar of Co operative Societies, (1922-24) and Registrar, Aug 1924 to December (1926) Retired as permanent Deputy Commissioner, Unao, U P (1928) and became Dewan, Orchha State in January 1929 *Publications* several standard works in Hindi including the *Misra-Bandhu Vinoda* (a text-book for B A & M A, Examinations) and the *Hindi Nava Ratna* (text-book in the Degree of Honours Examination) *Address* Golaganj, Lucknow

MITCHELL, DAVID GEORGE, B Sc (Edin), C S I (1932), C I E (June 1923) V D Indian Civil Service Secretary, Industries and Labour Department, 1933 *b* 31 March 1879 *m* Elizabeth Duncan Wharton *Educ* George Heriots School, Edinburgh, Edinburgh University, Lincoln College, Oxford Joined I C S, Oct 1903 Divisional and Sessions Judge in Central Provinces, 1913, Legal Secretary and Legal Remembrancer to Government of C P and Secretary to C P Legislative Council, 1919 Officiated as Additional Judicial Commissioner, June 1926 Joint Secretary and Draftsman Government of India, Legislative Department, April 1927 Offg Secretary, Legislative Dept, Govt of India *Address* Delhi and Simla

MITRA, THE HON SIR BHUPENDRA NATH, M A, K C S I (1928), K C I E (1924), C B E (1919), High Commissioner for India in United Kingdom, Dec 1924 *b* Oct 1875 *Educ* Metropolitan Institution, Hare School and Presidency College, Calcutta Held Ministerial appts from 2nd April 1896 apptd to enrolled list, Finance Dept, Jan 1919, Asstt Secy, Sept 1910, on special duty in connection with Royal Commission on Indian Finance and Currency, June to September 1913, on depty as Controller of War Accounts from May 1915, O B E, Dec 1917, Mill Acctt-General, Nov 1919, Offg Financial Adviser, Mill Fin Branch, May 1920, confirmed May 1922, temp Member of Governor-Generals Council, April 1924, Confd Dec 1924, Temporary Finance Member, March to June 1925 *Address* India House, Aldwych, London, W C 2

MITTER, THE HON SIR BROJENDRA LAL, KT (1928), K C S I (1932), M A, B L, Barrister-at-Law Member, Bengal Executive Council, 1934 Formerly Advocate General of Bengal and Law Member, Govt of India, 1928-34 *b* May 1875 *m* a daughter of Mr P N Bose, late of the Geological Survey and *g* d of the late R C Dutt, I C S *Educ*, Presidency Col, Calcutta and Lincoln's Inn *Address* 5, Outram Street, Calcutta and Simla and New Delhi

MITTER, THE HON MR JUSTICE DWARKANATH, M A, D L Ordinary Fellow of the University of Calcutta, Dean of the Faculty of Law Member, Council of State (1924), formerly

Advocate, High Court, Calcutta *b* 29 Feb 1876 *m* d of Balu Charan Dutt of Calcutta *Educ* Presidency College, Calcutta Joined High Court Bar in 1897, In 1916 elected an ordinary Fellow of Calcutta University for five years and appointed Judge of the Calcutta High Court in November 1926 *Publications* A Thesis on Position of Women in Hindu Law, published by Calcutta University *Address* 12, Theatre Road, Chowringhee, Calcutta

MITTER, RAI BAHADUR KHAGENDRANATH, M A, (Gold Medalist), *b* 1880 *m*, Sneharama *Educ* Presidency College, Calcutta Nominated Member, Legislative Assembly, 1922 and 1923, Member, Council of State, 1924 and 1925, Fellow (elected), Calcutta University (1922 to 1926), late editor of *Bangiya Sahitya Parisat Patrika* Late Senior Professor of Philosophy Presidency College, Calcutta Inspector of Schools Presidency Division Fellow, Calcutta University (1928), University Professor of Bengali Literature and Head of the Department of Indian Vernaculars, Calcutta University, President, Literary Section, Calcutta University Institute *Publications* Author of several works in Bengali on history, literature and fiction *Address* Ballgunge Place, Calcutta

MIYAN ASJAD-ULLAH, MAULVI, M L A Hon Magte, Kishanganj, Zamindar of Mehengaoon *b* 5 Jan 1883 *m* Bibi S Nisa, *d* of late Moulvi Insaif Ali of Henria *Educ* at Mehengaoon Member, Dist Board, Purneah (Bihar) and Member, Local Board Kishanganj, Vice-President, Anjuman-i-Islamia, Kishanganj *Address* Mehengaoon, P O Kishanganj, Dist Purneah, Bihar

MOBERLY, BERTRAND RICHARD, MAJOR-GENERAL, C B (1920), D S O (1915), Deputy Chief of the General Staff (India) *b* 15th Oct 1877 *m* Hylda, *d* of late A C Willis, Esq, of the Union Bank of Australia, Ltd, *Educ* Winchester College, Royal Military College, Sandhurst Staff College, Camberley First Commission Unattached List for Indian Army, 1897, Major General, Indian Army, 1930, served in 18th Bengal Infantry and 2nd Punjab Infantry (Punjab Frontier Force) now 2nd Battalion, 13th Frontier Force Rifles, commanded 2nd Battalion, 56th Rifles (Frontier Force) now 10th Battalion, 13th Frontier Force Rifles, Campaigns—N W Frontier of India, Waziristan 1901-02, Somaliland Field Force, 1903-04, Jiddalli, Great War, 1914-18, Egypt, Gallipoli, Salonika *Address* Army Headquarters, Delhi and Simla

MOBERLY, CHARLES NOEL, C I E, V D, M Inst C E, General Manager The Bombay Electric Supply & Tramways Co, Ltd *b* 24th Dec 1880 *m* Kate Charlotte, *d* of the late James Edward Fottrell of Dublin *Educ* Rugby School Technical training The Brush Electrical Engineering Co, Ltd Loughborough & Yorkshire College, Leeds Joined The B E S & T Co, Ltd, 1905, General Manager, 1923 Ex Lt-Col Commanding Bombay Battalion I D F, employed on staff of Bombay Brigade, 1918-1919 *Address* Electric House, Fort, Bombay

kumari, *d* of late Babu Abhaya Charan Sarkar *Educ* Canning Coll, Lucknow and Free Church Coll, Calcutta Professor, Sanskrit College, Calcutta, Editor, *Tribune*, Lahore, Secy, Finance Dept, Kashmir, Principal, Katmandu Coll, Nepal, Advocate, Calcutta High Court *Publications* Amita Prasara in 2 parts in Bengali, Commentary on Vedanta Philosophy in Bengali, Religion of Love in English, essays and addresses in English, Appeal to young Hindus in English, and numerous other works, Editor, *Hindu Patrika* President, Jessore Medical Institute, Jessore Sammilan Institution and Bireswar Arya Vidya Pit, and Vice President, Jessore Prasanna Madhusudan Girls' School *Address* Jessore, Bengal

MUHAMMAD ABDUL QUADIR, KHAN BAHADUR MAULVI, B.A., LL.B., M.L.A., Pleader *b* 26th Dec 1867 *Educ* Government College, Jubbulpore, C.P. and M.A.O. College, Aligarh Was for some time Headmaster, Mohindra High School, Tikamgarh, Orchha, Bundelkhand Practised in 1898 at Amraoti (Berar), Official Receiver (1917), Hon Secretary, Berar Mahomedan Educational Conference *Address* Amraoti Camp (Berar), C.P.

MUHAMMAD, AHMAD SAID KHAN, HON'BLE CAPT NAWAB, SIR (See under Chhatari, Nawab of)

MUHAMMAD MUKARRAM ALI KHAN, MUMTAZ-UD DOWLAH NAWAB, Chief of Pahasu Estate and Tazimi Jagirdar (Jaipur State) *b* 2 Sept 1895 *m d* of late Koer Latafat Ali Khan, Chief of Sidabad, 2nd marriage, *d* of Rao Abdul Hakeem Khan of Khuri Dist, Sharanpore *Educ* Maharaja's Coll, Jaipur and M.A.O. Coll, Aligarh Was Foreign Member of the Council of State, Jaipur, 1922-24, Visited Europe in 1924 *Publications* Sada-i-Watan Tauheed Nadir, Swarajya Home Rule *Address* Pahasu House, Aligarh

MUIR, GINGATE WEMYSS, LIEUT.-COL, C.B.E. (1926), M.V.O. (1923), O.B.E. (1918), Officer of the Crown of Roumania 1920, Commander of the Crown of Belgium 1926, *b* 12th June 1879 *Educ* Haileybury College and the R.M.C. Sandhurst Was in the Bedfordshire and Hertfordshire Regiment and 15th Ludhiana Sikhs (I.A.) *Address* C/o The Agent, Imperial Bank of India, Simla

MUKANDI LAL, B.A. (Oxon), Bar-at Law, ex M.L.C., ex Dy President, U.P. Legis Council *b* 14th Oct 1890 *m nee* Miss Ball (1915) *Educ* at Schools Pauri and Almora, in colleges at Allahabad, Benares, Calcutta and Christ Church, Oxford, Hist Hons 1917 Called to Bar, Grays Inn, 1918, returned to India, 1919, enrolled Advocate, Allahabad High Court, 1919, elected to U.P. Legislative Council for Garhwal, 1923 and 1926 Writes to Hindi and English periodicals and is an exponent and critic of Indian Art *Address* "Vijaybhawan" Lansdowne Dist Garhwal, U.P.

MUKERJEE, SATYA VRATA, B.A. (Oxon), Fellow of the Royal Statistical Society, London, Subj. Baroda Service, 1932 *b* 6 Feb 1887 *m* Sm Arun Devi,

M.A., *nee* Bezbaror, niece of Rabindranath Tagore, the Poet One *s one d Educ* St Xavier's and Presidency College, Calcutta, and Exeter Coll Oxford Entered Baroda Service, 1911 Conducted the Census of Baroda State 1921 Suba in three districts, 1922-1928, Chief Secretary to Government, 1929, Revenue Commissioner, 1929-30, Census Commissioner for the Second time, 1930-32, reorganised the Central Secretariat after the model of British India, 1919-20, was largely instrumental in the reorganisation of the local boards, as member of the Baroda University Commission was mainly responsible for drafting its Report 1926-27 *Publications* Constitutional Reforms in Baroda, Census Reports of 1921, and other official publications *Address* Race Course Road, Baroda

MUKERJI LAL GOPAL, THE HON. SIR B.A. LL.B., Judge High Court Allahabad *b* 29 July 1874 *m* Srimati Nalini Devi *Educ* Ghazipur Victoria High School and Muir Central Coll Allahabad Practised at Ghazipur 1896-1902, joined Judicial Service of United Provinces, 1902, was Munsiff from 1902 to 1914, District and Sessions Judge from 1914 to 1923, was deputed to Legislative Department of Government of India as an officer on Special Duty, 1921-22, was appointed to officiate as Judge of High Court in December 1923, was additional Judge of the High Court, 1924-1926 was made permanent Judge in March 1926, knighted in June 1932, was appointed to officiate as Chief Justice in July 1932 again in Oct 1932 *Publications* Law of Transfer of Property, 1st Edition, 1925, (2nd Edition, 1931) *Address* Allahabad

MUKERJI, MANMATHA NATH, THE HON. MR JUSTICE, M.A. (Cal), B.L., Puisne Judge, High Court, Calcutta since 1924 *b* 28 Oct 1874 *m* Sm Sureswari Debi, eldest *d* of Sir Goroob Dass Banerjee *Educ* Albert Collegiate School and College, Presidency College, Calcutta, and Ripon College Law Classes Vakil, Calcutta High Court, from Dec 1898 to Dec 1923 *Address* 8-1, Harsi Street, Calcutta

MUKHERJEE, BABU JOGENDRA NATH, M.A., B.L., Advocate, High Court, Calcutta *b* 23rd June 1861 *m d* of late Babu Harinath Chatterjee, of the Provincial Executive Service *Educ* Presidency College and Hindu School, and Government Pathashala, Calcutta Practised as pleader at Purnea, 1886-1908, was Municipal Commissioner, Vice-Chairman, Purnea Municipality, and Chairman altogether for about 18 years, Member of Bengal Legislative Council (1905-1907), practised Calcutta High Court from 1908, Prof of Hindu Law in the Calcutta Law College from 1909-1919, Chairman of Professors, Criminal Law in that Coll, 1918-19, Member, Legislative Assembly, 1921-23 *Publications* (1) The Legislative Assembly and its work (brochure) (2) Dilettantism in Social Legislation, (3) An address on Hindu music delivered at "Indian Musical Salon" held at Government House, Calcutta, on 7th Dec 1920 *Address* 18, Pran Kissen Mukherjee Road Tallah, Calcutta

President, Howrah Bridge Committee, 1921, President, Bengal Retrenchment Committee, 1922, Member, All India Retrenchment Committee, 1922, Member, Indian Coal Committee, Royal Commission on Indian Currency and Finance, 1926, President of Board of Trustees, Indian Museum Calcutta, a Fellow of Calcutta Univ., Member of Court of Visitors, Ind Inst. Science, Sheriff of Calcutta, 1911, Member of the Board of the Governing Body of Bengal Engineering College, Ex President, the Institution of Engineers (India) Member Governing Body of the School of Tropical Medicine and Hygiene, President, Indian Science Congress, 1922, Fellow, White Society of Bengal, President 1924-25, Governor, Imperial Bank of India 1921-1928, Address 7, Harrington Street, Calcutta

MOORI, W. ARTHUR, LLtior of *The Statesman*, Classical Scholar of St John's College Oxford, 1900-1904, President, Oxford Union Society, 1904 to 1880 in Mind Lileon, only surviving child of George Maillat, Educ. Campbell Coll, Belfast and St John's College Oxford Secretary, Balkan Committee, 1901-08, during which time travelled extensively in all the Balkan Countries. Special Correspondent of *The Times* for Young Turk Revolution, 1908, and in Albania. Special Correspondent, 1909, *Daily Chronicle*, *Daily News* and *Manchester Guardian* at Siege of Fabriz Persia. Joined foreign and war staff of *The Times*, 1910. Persian Correspondent, 1910-12. Russian Correspondent, 1913, Spain, 1914, Albanian Revolution, 1914, Retreat from Mons and Battle of Marne, 1914 obtained commission in Rifle Brigade served Bardenelles, 1915 Salonika, 1915-17 General Staff Officer, flying, 1918, with military mission (General Sir G. T. Bridges) in Constantinople and the Balkans, Squadron Leader, R.A.F., demobilised May 1919 despatches twice M.B.L. (military) Serbian White Eagle, Greek Order of the Redeemer Middle Eastern Correspondent of *The Times*, 1919-22, visiting Egypt, Palestine, Syria, Mesopotamia, Persia, Caucasus, India, Afghanistan, M.L.A. (Bengal) 1926-1933. Publications "The Miracle (By Antrim Oriel," Constable, 1908) *The Orient Express* (Constable 1914) Address "The Statesman," Calcutta

MOOS, DR F. N. A., M.D., B.S. (Lond), D.P.H. (Ing), D.T.M. & Hy (Lug), M.B.B.S. (Bombay), F.R.I.P.H. (London), F.C.P.S. (Bombay) J.P., Superintendent, and Chief Medical Officer, Goculdas Tejpal Hospital b 22 Aug 1892 Educ at Cathedral and New High Schools, Elphinstone and Grant Medical College, Bombay, Univ. Coll and Hospital, London, Clinical Fellow in Medicine, Grant Coll, Bombay, Medical Registrar, J.J. Hospital, Bombay, House Surgeon, Metropolitan Hospital, London, Tuberculosis Medical Officer Boros of Stoke Newington, Hackney and Poplar, London, Medical Referee, London, War Pensions Committee, Lecturer on Tuberculosis, University of Bombay, Hon. Physician, G.T. Hospital, Bombay, Fellow of the Royal Society of Public Health, Fellow, University of Bombay Fellow, College of Physicians and Surgeons, Bombay Pub

ications. Present Position of Tuberculosis. Prevention of Tuberculosis and Pandemic of Influenza 1918 etc etc Address Allee Buildings Hornby Road, Fort, Bombay

MOOS, NANABHAI A. I., D.Sc. (Edin), L.C.L. (Bom), I.R.S. (Indin) J.P., Retired Director, Bombay and Allahabad Observatories b 20 Oct 1859 m Bal Teelobhai, n d of Byramjee Teelobhai, Esq Educ Bombay University and Edinburgh University, Prof of Physics, Elphinstone Coll, Bombay, for some time Inspector of Factories, Bombay Presidency from 1896 to 1920 Director of Bombay and Allahabad Observatories Fellow and Sande Bombay Univ., Dean in Science 1916-21 Representative of the Bombay University on the Advisory Committee of the Coll of Engineering, Poona Board of Trustees of the Prince of Wales Museum, Bombay and Board of Trustees, Victoria Technical Institute Publications Papers in Royal Society, Edinburgh, and Publications in the series, Bombay Observatory's Publications 1896-1920 Bombay Magnetic Data and Discussion, 1896-1915 Vols I and II Address Pedder Road, Bombay

MORINO, H. W. B., Dr, B.A., Ph.D., b 1875 Educ at Calcutta University and Merchiston, Edinburgh Founder *Century Review*, Anlo Indian Recorder ex Lecturer, Calcutta University ex Member, Leg Council, Bengal ex Hon. Magt, Sealdah, Calcutta, President, Anglo Indian League (established in 1909), Publications "History of the Bengal Newspapers," "Sorab and Rustom," "Story of the Rings" etc Address St Thomas Mansion, 25/1 Mott Road, Calcutta

MOTICHAND, THE HON. RAJA SH. C.I.E. (1916) Kt (1930), Banker Landlord and Millowner, b 2 Aug 1876 Educ privately, first Non Official Chairman, Benares Municipal Board, Chairman, Benares Bank, Ltd, Chairman of Benares Cotton and Silk Mills, Ltd, Chairman, Benares Industries, Ltd, Member U.P. Legislative Council from 1913-1920, Member, Council of State, since 1920, Hon. Treasurer and Member of the Court and the Council of the Benares Hindu University, Chairman of numerous local bodies, educational industrial and social, Member U.P. Chamber of Commerce, Cawnpore Address Azmatgarh Palace, Benares

MOTILAL, BHAWARGI, M.A., LL.B., Diwan-i-Khas Bahadur b 28 April 1882 m to Shrimati Kasturibai Educ at Rutlam and Dhar and graduated from the Muir Central College, Allahabad, M.A. from the same College, LL.B. from University School of Law, was Headmaster, Victoria High School, Khairagarh and Tutor to Raja Lal Bahadursingh, Chief of Khairagarh, 1907-1909, was Legal practitioner for a few years in Central Indian States, Accountant General Jodhpur, 1918-1920, Accountant-General, Indore, 1920-23, Finance Minister, Indore, 1923-1932 Address Dhar, Central India

MOZOOMDAR, RAI JADUNATH BAHADUR VEDANTA VACHASPATHI, M.A., B.L. Kaiser-i-Hind (1915), C.I.E. (1921) ex M.L.C. and M.L.A., Advocate and Landholder b Oct 1859 m Srimati Sarat

- Verni Vasulati, Kono Vank, Swamudrachi, *Pauranic Plays* Purandar Paranjaya, Aylbhakta Atma, Tarpan Putra Samovoff, Dhruvaswamini Devi Kakani Shishi Social plays Vaya Shethnu Swatintya 14 Khirab Jan Agninkit Brahmaricharya hram Shih Sambhram Shishu and Shihl -Part II Thodank Risa Durshmo Adi Vachno Iopa Mudra Vishva Ratha Part I Part II Shambur Kanya Devi Dithell Gujarati and its Literature (in press in England) Nari Bin Jawahar Kahlani and Narmad Arvachino ma Adva and several short stories, essays etc *Address* Gilbert Building, Babulnath Road, Bombay 7
- MUNSHI, MRS. LILAVATI KANAIYAL** b 1899 m K M Munshi, Advocate, Secretary, Sahita Sansad, Bombay, Secretary, Sri Sewa Sangh, Bombay, joined Satyagraha, 1930, appointed Vice President, Bombay War Council, 1930, arrested 11th July 1930, sentenced to three months' imprisonment by the Chief Presidency Magistrate, Bombay, released at the end of October 1930 organised Bombay Swadeshi Market 1930, elected member, All-India Congress Committee, 1931, arrested in Jan 1932, released 26th Jan 1933 appointed Vice President Naremd Centenary Committee *Publications* short stories, essays, *Harimantli Ladati* a collection of short stories and plays etc *Address* Gilbert Building, Babulnath Road, Bombay 7
- MURPHY, STEPHEN JAMES, THE HON. MR. JUSTICE, I.C.S., Judge** Bombay High Court b 13th June, 1875 *Idue* Irmslingham College, and Univ. College, London, appointed after examination of 1898, arrived, 24th Nov 1899, and served in Bombay as Asst. Collector and Magistrate and Asst. Judge, District and Session Judge, Nov 1917 Remembrancer of Legal Affairs and Secretary to Government, Legal Department, Nov 1922, Judicial Commissioner, States of Western India, October 1924, District and Sessions Judge, 1928, Offg. Judge, High Court Bombay, June, 1928, confirmed April 1929 *Address* High Court, Bombay
- MURSHIDABAD, NAWAB BAHADUR OF, K.C.S.I., K.C.V.O., The Hon. Ititisham ul Mulk Rais-ud-Dowla, Amir ul-Omrak Nawab Asef Kadr Syud Sir Wasef Ali Meerza, Khan Bahadur, Mahabub Jung, premier noble of Bengal, Behar and Orissa, 38th in descent from the Prophet of Arabia, b 7 Jan 1875, m 1898, Nawab Sultan Dulin Fugfoor Jahan Begum Saheba Heir apparent Murshid-zada Asif Jah Syed Wares Ali Meerza *Idue* in India, under private tutors and in England, at Sherborne, Rugby, and Oxford, has six times been Mem of Bengal Leg. Council *Address* The Palace, Murshidabad**
- MUSPRATT, SYDNEY FREDERICK, MAJOR GENERAL, C.B. (1930), C.S.I. (1922), C.I.E. (1921), D.S.O. (1916), Commander, Peshawar District b. 11th Sep 1878 m Rosamonde Barry, youngest d of Sir E Barry, (Brit) *Idue* United Service College and Sandhurst Commissioned 1898 Joined 12th Bengal Cavalry 1899, N.W. Frontier, 1908, Great War in France (1914-18), Deputy Director, Military Director, India, 1919-21, A.H.Q. India,**
- 1927-29, Deputy Chief of General Staff, India 1929-31 Secretary Military Department India Office 1931 *Address* The Staff House, Peshawar, N.W.F.P.
- MURTRIL, DAVID THOMAS, O.B.E., I.S.O.** Dy. Dir-Gen., Post Office, 1916-1921 (retired), b 15 Dec 1864, *Idue* Daveton Prov. Coll., Madras 1st Govt. Service in Post Office 1884 Postmaster Bombay, 1913-16 *Address* "Looland," 8, Canningham Road, Bangalore
- MUTALIK VISHNU NARAYAN alias ANANDHAR, P.A., First Class Sardar of the Deccan, Inamdar and Saranjamar Member, Legislative Assembly b 6 Sept 1870 m S. Ramabaskh b. d of Mr K. Bhiranah Pearl Merchant *Idue* at Satara High School and the Deccan Coll. Poona Member Bombay Legislative Council for the Deccan Sardars 1921-1923 President, Inamdar's Central Association, 1911 and onwards to the present day, Chairman, Satara City Municipality, for 3 years Member of Dist. and Taluka Local Board, Satara for over 15 years Was appointed non official member of Army Account Committee, 1925-26 to represent Legislative Assembly on the Committee President of the 1st Provincial Conference of Sardars, Inamdar and Watarand, 1926 and President, Provincial Postal Conference, 1926 Elected Chairman of the Executive Committee of the Provincial Conference of Shri Sardars and Inamdar, 1927 and in 1931 A leader of the Deputation to H.L. Lord Chalmersford and Mr Montague Secretary of State 1917 represented Sardars and Inamdar's interests before the Franchise and Functions Committee of 1919 Leader of the Deputation of Sardars and Inamdar for giving evidence before the Simon Commission 1928 Leader of two deputations 1927 and 1929 to H.L. the Governor on behalf of Sardars and Inamdar of the Presidency Raised to be First Class Sardar of the Deccan in September 1930 Nominated Member of the Provincial Franchise Committee 1932 *Publications* Currency System of India in Marathi *Address* Shanwar Peth, Satara City**
- MUZAFFAR KHAN, KHAN BAHADUR, NAWAB C.I.E., Reforms Commissioner Punjab b 2nd January 1880 *Idue* Mission High School Jullunder and Government College, Lahore Joined Government Service as Munsiff promoted as Extra Assistant Commander, served as Mirmunshi to Sir Michael O'Dwyer during Great War, Orient Secretary, Indo-Afghan Peace delegation 1919 Sir Henry Dobbs Kabul Mission 1923, Oriental Secretary, British Legation, Kabul, in 1921 under Sir Francis Humphreys, joined Political Department 1924, Director, Information Bureau, 1925, Reforms Commissioner since October 1931 Khan Bahadur, 1917, Nawab 1921, and C.I.E. 1931 *Publication* Sword Hand of the Empire—a war publication *Address* Lahore**
- MYSORE, HIS HIGHNESS YUVARAJA OF, SIR SRI KANTHIRAJA NARASIMHARAJA WADIYAR BAHADUR, G.C.I.E. b 5 June 1888, y s of late Maharaja Sri Chamarajendra Wadiyar Bahadur m 17th June 1910 One s Prince**

MUKHERJEE, THE HON SRIJUT LOKE-NATH, Zamindar, having properties extending over many districts, an Executive of Uttarpara Municipality, Member of Council of State *b* April 1900 *m* Srimati Sailabala Devi, *d* of Rai Bahadur Ramsadan Chatterjee, Retired Mgte of Bankura *Educ* Uttarpara Govt High School and Presidency College, Calcutta Elected Commissioner, Uttarpara Municipality in 1921, was Chairman for some time in 1924 and again in 1925, at present an executive of the Municipality, now an elected Member, Council of State, for West Bengal Constituency *Address* "Rajendra Bhaban", Uttarpara, Bengal

MULLAN, JAL PHIROZSHAH, M A, F L S, F Z S, F E S, Prof of Biology, Director, Zoological Laboratory, St Xavier's College *b* 26 March 1884 *Educ* St Xavier's College, Bombay, Professor, Examiner, University of Bombay *Publications* "Animal Types for College Students" *Address* "Vakil Terrace", Lamington Road, Grant Road, Bombay

MULLICK, RAI PROMATHA NATH BHADUR, Bharat-Bani-Bhusan, Hon Secretary, Calcutta House Owners' Association President, North Calcutta Defence Association Served on the Calcutta Municipality as a nominated Commissioner, Improvement Trust, Calcutta Exhibition 1923, etc *Address* 129, Cornwallis Street, Calcutta

MUMTAZUDDOLAH, NAWAB SIR MOHAMMAD FAIZAZALI KHAN, K C V O, K C I E, C S I, C B E, Nawab of Pahasu, Minister, Jaipur State *b* 4 Nov 1851 Late Member of Supreme and Provincial Legislative Councils *Address* Nawab's House, Jaipur

MUNINDRA DEB, RAI MAHASAI-KUMAR, M L C, of the Bansberia Raj *b* 26 Aug 1874, *Educ* Hooghly College and St Xavier's College, Member of Bengal Legis Council, Hony Magistrate, Hooghly, Non official Visitor, Hooghly District and Serampore, Sub-Jail, Chairman, Bansberia Municipality, Vice President, All-India and President, All-Bengal Library Association, Chairman Bansabati Co operative Bank Ltd, Kayastha Co operative Bank Ltd, Calcutta, Director, Tarakeshwar Co operative Sale and Supply Society Ltd, Member, Hooghly District Board, Hony Secretary, Historical Research Society, President, Bansberia Public Library, Working Men's Institute, Night Schools, Bansberia Girls' School, Bangiya Granthalaya Parishat, Hooghly District Library Association, Kalighat Perpetual Club and Library, B M Sporting Club, Vice-President, Hooghly Landholders Association, Kalighat People's Association, Chinsurah Physical Institute, Editor, "Pathagar," late Editor, *The Eastern Voice*, an English Daily, *The United Bengal*, an English Weekly, *The Pyruma*, a Bengali Monthly, Author of several historical works, Calcutta, *Address* 21F, Ram Sankari Lane, Kalighat

UNMOHANDAS RAMJI, THE HON SIR, Kt (1927), J P, Merchant and Millowner *Educ* Bombay High School Represented Indian commercial community in the old Bombay Legis Council from 1910 to 1920, served

on the Municipal Corporation for 18 years, elected President of the Corporation for 1912-13, served also on the Committees of Indian Merchants' Chamber, Bombay Mill-owners' Association and President, Bombay Native Piece-goods Merchants' Association for 38 years, was President of Indian Merchants' Chamber, 1907-13 and again in 1924 and of the Bombay Millowners' Association in 1909, served several periods on the Board of the Bombay Port Trust, was member for a number of years of the Board of Trustees of V J Technical Institute, was a member of the Advisory Committee to the Director of Industries, and of the Advisory Board to the Development Department, was a member of the Advisory Committee of the B B & C I Railway Represented Indian Merchants' Chamber on the Legislative Assembly, 1921-23, served on the Birth-waite Committee, Railway Advisory Committee, Railway Risk Note Committee, and Income-Tax Committee Elected Member of Council of State, June 1925 and re elected in November 1925 Member, Council of State, 1925-1930 *Address* Ridge Road, Malabar Hill, Bombay

MUNSHI, KANAIALAL MANEKLAL, B A, LL B Advocate, Bombay High Court *b* 29 Dec, 1887 *m* Lilavati Sheth, a Jain widow, an authoress of repute in Gujarati language, 1926 *Educ* Dalal High School, Broach, Graduated from Baroda College, 1906, LL B of Bombay University, 1910, passed Advocate's Examination 1913 Enrolled as Advocate, Bombay High Court, 1913, Joint-Editor "Young India," 1915, Secretary, Bombay Home Rule League, 1919-20, President, Sahitya Sausad, Bombay, since 1922, Editor of the *Cyclopædia of Gujarati Literature*, Elected by the registered graduates to the Senate of the Bombay University 1925, Elected Vice-President of the Gujarat Sahitya Parishad Mandali (Literary Conference) April 1926, Elected to the Syndicate of the Bombay University, September 1926, Appointed a Member of the Baroda University Commission by His Highness the Maharaja Gaikwar, September 1926, Elected Chairman of the Gujarati Board of Studies of the Bombay University 1927, Elected to the Bombay Legislative Council for the Bombay University, April 1927, Appointed Chairman of the Committee of the Government of Bombay to introduce compulsory physical training in schools 1927, member of the Committee appointed by the Government of Bombay to report on the reorganisation of primary and secondary education in the Presidency, Elected member of the Academic Council and Board of Post Graduate Studies, Bombay University 1929, joined Satyagraha 20th April 1930, Arrested 21st April 1930 for Salt Satyagraha at Bhatia Bag, Bombay, sentenced on 22nd April 1930 to six months' imprisonment by the Chief Presidency Magistrate, Bombay, released on 1st October 1930, appointed substitute member of the Working Committee October 1930, Elected member of the All-India Congress Committee, 1930 1931, arrested in Jan, 1932 *Publications* Prithvi-Vallabh, Pattanni-Prabhuta, Gujaratno Nath, Rajadhiraj, Bhagavan Kautilya,

of Medicine,' "On Different Methods of Cataract Extraction," "Uremia following on Cathectem," "Ghoma Retinae, etc Address Ahmedabad

NANDY, SRI CHANDRA, M.A. (1920), M.L.C., Maharaja of Kasimbazar, Bengal, b 1897 r 1917 second Rajkumari of the late Hon Raja Promoda Nath Roy of Dighapatia Educ Berhampore Coll, Bengal, and Presidency Coll., Calcutta, Chairman, Bernampore Municipality, was Member of District Board Berhampore, and Member, Bengal Legislature Council (since 1924), ex-President, British Indian Association and President, Bengal Mahajan Sabha, President, Board of Management, K. N. College, Berhampore, Member, Historical Society and Asiatic Society of Bengal, Munchidabad Association, Life Member Vira Bharati, and Member Bengal National Chamber of Commerce, Address: 'Pajbari' Kumbazar, or 302, Upper Circular Road, Calcutta

NARASIMHA RAO, RAO BAHADUR S. V. B. A., Rao Bahadur, June 1912, Presented Darbar Medal, Dec 1911, b 21st Oct 1873, Educ Madras Christian College, Graduated 1893 had journalistic training in the office of 'The Hindu' in 1898, enrolled as Pleader in 1899, was Municipal Chairman from 1908- to 1919 Vice-President District Board, 1919-29, President, District Educational Council, 1922-30, Member, Andhra University Senate, 1926-29, Attended All-India National Congress Sessions from 1903 to 1917, Member of the All-India Congress Committee for the years 1912, 1913 and 1917, Joined Indian National Liberal Federation in 1919 and also a member of its Council, President, Kurnool Urban Bank, 1916-20, President, District Co-operative Central Bank 1921-31, Member of the Board of Management of the Madras Provincial Co-operative Bank, resided over the Anantapur District Co-operative Conference (1923) and Bellary District Co-operative Conference (1930), President of the Kurnool United Club, 1924-32, President, Bar Association from 1931, General Secretary, Reception Committee of the XVII Madras Provincial Conference held at Kurnool in 1910, appeared before the Functions Committee presided over by Hon Mr Feetham in connection with the inauguration of the Montagu Chelmsford Reforms in January, 1919, Gave evidence before the Lothian Committee in 1932 and the Andhra University Committee Address: Kurnool

NARAYANASWAMI CHETTI, THE HON DEWAR BAHADUR Member, Council of State, b 23 September, 1881 Merchant and Landlord, President, Madras Corporation for 1927 and 1928, Member of the Senate of the Madras University, Member of the Council of Affiliated Colleges representing District Board and Municipalities of Chingleput District, Hon Secretary, Madras Presidency Discharged Prisoners Aid Society, Provincial Visitor to Presidency Jails, President, Depressed Classes Mission Society, Member, Town Planning Trust Board representing Corporation Member of the Advisory Board of

the M & S M Ry Member, Madras Labour Board, Member, South India Chamber of Commerce, President, Pachaiyappa's Trust Board, Member, Tramway Advisory Board, Member, Madras Port Trust, Director, City Co-operative Bank, Igloire Benefit Society and Co-operative Central Land Mortgage Bank, Ltd, was Member of the Executive Committee of the Countess of Dufferin Fund Visitor of the Criminal Settlement at Madras and Pallavaram, Vice-President of the S P C A and Madras Children's Aid Society, Member, Cinema Board, Member, Council of State Member, Central Board of Railways, Member, Governing Body of the Lady Hardinge Medical College Hospital for Women Member, Central Committee Countess of Dufferin Fund, Delhi, Member of Excess Licensing Board Madras, Member of the Academic Council President of the Town Planning Committee, Chairman of the Charities Committee, Member of the Labour Advisory Board formed by the Government of Madras Member of the Governing Body of the Imperial Council of Agricultural Research, Delhi, Director of the Mysore Hindu Permanent Fund Ltd Vice-President of the District Educational Council, President of the District Secondary Education Board, Chairman of the Advisory Board to the General Hospital, Madras, Member of the Advisory Board to the Government Gosha Hospital, Chairman of the Board of Trustees of the V P Hall, was for a short time a Member of the Madras Legislative Council, Chairman of the Board of Visitors of the Junior Certified School, Panipet, Honorary Inspector of Certified Schools of this Presidency, Non Official Visitor to the Government Mental Hospital Director of the Nathulpet High School Member of the Board of Industries, Member of the Cinema Board Honorary Visitor of the Agricultural College, Coimbatore, Member of the Admission Board to the Presidency College, Member of the Advisory Council of the Queen Mary's College, for Women Address: "Gopathi Villa," San Thome, Madras

NARIMAN, SIR TEMULJI BHICAJI, KT, M R C P (Edinburgh), Hon Causa 1922, Sheriff of Bombay, 1922-23 Chief Physician, Parsi Lying-in Hospital, President, College of Physicians and Surgeons, b Navsari, 3rd Sept 1848, Educ Grant M C, Elphinstone Coll, Fellow of Bombay Univ, 1883, J P, a Syndic in Medicine, 1891, a Dean in Faculty of Medicine, 1901-02, Mem, Bombay Leg Council, 1909, Mem of Provincial Advisory Committee, 1910, Member, Bombay Medical Council, 1913, Member, Bombay Municipal Corporation for 15 years Address Fort, Bombay

NARSINGARH, HIS HIGHNESS SPI HUZUR RAJA VIKRAM SINGH SAHIB BAHADUR, b 21 September 1909, belongs to Paramar or Ponwar branch of Agnikul Rajputs m daughter of the heir apparent of Cutch State, June 1929, & 1924 Educ Daly College, Indore and Mayo College, Ajmere State is 734 sq miles in extent and has population 1,13,873 salute of 11 guns Address Narsingharh, C I

Jaya Chamaraja Wadivara and three daughters. Takes keen interest in welfare of people and in all matters of education, health and industry. Address Mysore

NABHA, Gurcharan Singh, ex Maharaja of, F R G S M R A S, b 14 March 1883 & 1911 Educ privately. Travelled good deal in India and abroad, Mem, Viceroy's Council, 1906-08, Pres of Ind Nat Soc Confee, 1909 attended Coronation of King accompanied by Maharani, 1911 Abdicated, 1923

NADKAR, DEWAN BAHADUR KHANDEO to GANGADHAR RAO, 1876 s of Gangadhar Rao Nadkar Educ at Anand College, Dhur and Muir Central College, Allahabad Khargi Dewan and Member in charge of Finance and Education of Dhur State Council, appointed Dewan and Vice President of State Council 1920 Rao Bahadur 1924, Dewan Bahadur, 1931 Address Dewan's House, Dhur, C I

NAG, GIPSI CHANDRA, RAI BAHADUR, M A, B L b 26 June 1861 m Sreemati Kunjodra, d of Rai Saheb P C Deb of Sylhet Educ Calcutta Presidency College Professor, Ravenshaw Coll, Cuttack (1886 1890), Pleader, Sylhet Judges Court, 1890 1892, Member, Assam Civil Service, 1892-1910, Member, Dacca University Court, and Member, Leg Assembly Publications "Back to Bengal" Address Bakshi Bazar, Dacca

NAGOD, RAJA MAHENDRA SINGH, RAJA OF, b 5 February 1916 His dynasty has ruled at Nagod for over six centuries, his State has area of 501 square miles, and population of 68,166, his salute being nine guns Address Nagod, Baghelkhand

NAGPUR, R C BISHOP OF, see Coppel

NAIDU, SAROJINI, MRS, Fellow of Roy Soc of Lit in 1914, b Hyderabad, Deccan, 13 Feb 1879 Educ Hyderabad, King's Coll, London, Girton Coll, Cambridge Published three volumes of poetry in English, which have been translated into all Indian vernaculars, and some into other European languages, also been set to music, lectures and addresses on questions of social, religious, and educational and national progress, specially connected with Women's Movement in India and welfare of Indian students President, Indian National Congress, 1925 Address Congress House, Bombay 4

NAIR, CHETTUR MADHAVAN, THE HON MR JUSTICE, B A, Bar-at-Law Judge, High Court, Madras b 24th Jan 1879 m Sreemathi Palat Parukutty Ammah, eldest d of Sir C Sankaran Nair Educ Victoria Coll, Palghat, Pachaiyappas and Christian Colleges, Madras, Law Coll, Madras, Univ Coll London, and also the Middle Temple, London Enrolled in the Madras High Court, 1904, officiated as Vice-Principal, Law Coll, Madras, 1909, Law Reporter, 1915 16, apptd Prof, 1916-20, Govt Pleader, 1919-23, Advocate-General, Madras, 1923 24, Judge of High Court 1924, confirmed 1927 Address "Spring Gardens," Nungambaukham, Madras

NAIR, SIR MANNATH KRISHNAN, KT (1930), DIWAN BAHADUR (1915) Member, Executive Council, Government of Madras (1928), b August 1870 Educ Alathur, Calicut, and Christian College and Law College, Madras Vakil, Calicut Bar, Ch Justice, Travancore High Court, for four years Dewan, Travancore, May 1914 to July 1920 Address Mohana Vilas, Ormes Road, Kilpauk, Madras

NAMBIAR, CHANDROTH KUDATI THAZHATH VITIL KUNHI KAMMARAN, Landlord, M L A b Dec 1888 m Kal'at Madhavi Amma, d of V Ryn Nambiar, B A, B L, High Court Vakil Educ at the Mission High School, Brethren College, Tellicherry and Madras Medical College Succeeded to the management of the Chandroth estate after the death of his brother in 1912 in 1914 was elected to the Tellicherry Taluk Board and in 1916 to the Malabar District Board In 1924 was returned to the Legislative Assembly as the representative of the Madras Landholders Succeeded to the Karamushup of Koodali House in 1932 Address Koodali N Malabar

NANAVATY, COL SIR BYRAMJI HOIMASHI, KT (1930), F R C S (Ed), F C P S, L M & S (with honour), F M S, Akbar Bahadur (1910), C I L, June (1925), Consulting Surgeon and Physician, Specialist in Eye Diseases from Royal Ophthalmic Hospital, Moorfields, London b December 1861, m Dhanbai, daughter of the late Mr M N Nanavatty (Treasury Officer, Surat) and cousin of Mr J M Nanavatty, I C S Educ Ahmedabad and Bombay and later on in London and Edinburgh, held for many years the posts of Lecturer of Surgery (clinical) and operative and midwifery in one of the provincial medical schools of the Bombay Presidency Was subsequently appointed Civil Surgeon, Surat Appointed a Fellow of the Bombay University in 1897 and is now also an ordinary Fellow Was for many years Examiner in Surgery and Midwifery in the L M & S and M B, B S Examinations of the Bombay University, and also in the L C P S and M C P S examinations of the College of Physicians and Surgeons, Bombay, of which Council he is also a member A Municipal Councillor of over 25 years' standing and Chairman, Sanitary Committee President, Hemadhr Institute, Vice-President of four important public bodies, viz, Ahmedabad Municipality, Ahmedabad Sanitary Association and the Society for the Prevention of Cruelty to Animals and of Red Cross Society, Member of the Council of College of Physicians and Surgeons, Bombay, and of the Civil Hospital Advisory Committee and of the Committees of Bechardas Dispensary, Victoria Jubilee Hospital for Women and Jeper Asylum and Mental Hospitals, is also Hon Secretary of Bechardas Dispensary, a leading Freemason and a Past Master of Lodge Salem In 1928 was also elected Hon Member of Lodge Hope and Sincerity Was awarded by Government a gold medal for services rendered during the Ahmedabad riots of 1919 In February 1929 was raised to the rank of an Hon Col, Medical Corps, Indian Territorial Forces Publications "Duties and Responsibilities of Practitioners and Students

and Trinity Hall, Cambridge, Chairman, Dacca Municipality, from 1922 to 1929, Member, Executive Council, Dacca University, 1924 to 1929, Member, Bengal Legislative Council, from 1923 *Address* Pari Bigh, Ramna, Dacca, 25/1 Ballygunge Circular Road, Calcutta

NAZIR AHMAD DR, M Sc, Ph D (Cantab), Director, Indran Central Cotton Committee, Technological Laboratory, b 1 May 1898 *Educ* M A O College, Aligarh, Government College, Lahore, Peterhouse, Cambridge, Head of the Science Department, Islamia College Lahore, 1925-1930, Asst Director, Technological Laboratory, 1930-1931 *Publications* Various scientific and technical papers *Address* Cotton Technological Laboratory, Matunga, Bombay

NEEDHAM, MAJOR GENERAL HENRY, C B, C M G, D S O, Officer Commanding Bombay District, b 1876 m 1902, Violet, d of late Captain H Andrew, 8th Hussars, and Mrs Yafes Browne *Educ* privately Joined Gloucester Regiment, 1900, P S C 1908 9, Staff England, 1910-14, France, Egypt, Salonika, Russia, since 1914 (Legion of Honour) St Vladimir, U S Distinguished Service Medal, C M G, D S O, commanded 4th Worcestershire, 1922-23, Colonel, 1919, Military Attache, Brussels, Berne, Luxembourg, 1922, Military Attache, Paris, 1927-31 Officer Commanding, Bombay District, 1931 *Address* Assaye Building, Colaba, Bombay

NEHALCHAND, MUNTAZIM-KHAS BAHADUR, M A (Allahabad), LL B, Abkari Member, Indore Cabinet *Educ* Muir Central College, Allahabad Worked as Professor Tutor to a Rajputana Prince, Private Secretary to the Prime Minister, Indore State, Customs, Abkari and Opium Commissioner, Subband Member of the Revenue Board *Address* 15, Tukoganj, Indore, Central India

NEOGY, KSHITISH CHANDRA, M L A, representing, since 1921, the non-Mahomedan Electorate, Dacca Divn, E Bengal Vakil, High Court, Calcutta *Journalist* b 1888 *Educ* Presv Coll, Calcutta Dacca Coll m Sreematy Lila Devi Some time a member of the All-India Council of the Nat Lib Fedn, Elected Member of the Dacca Univ Court, 1921-24, one of the Chairman of the Leg Assembly since 1924 *Address* 48, Toynbee Circular Road, Wari, Dacca, and P 393, Russa Road, Tollygunge P O, Calcutta

ALHRL, PANDIT SHRI SHRIDHARA, B Sc, M A, Ph D, LL D, LL D, ICS b 17 November 1888 m Raj Dulari Kichlu *Educ* Agri College (Allahabad University), Madaden College, Cambridge University, Heidelberg University, London University, Gullac International and Sorbonne, Paris Service in the ICS, Professor of Physics and Director of the Physics Laboratory, M C Coll, Allahabad in War time Research into aeroplane problems and visit to France and England in War time, Agriculture, Industries and Education Secretary to U P Government Director of Publicity and Reforms Officer, U P Government and

District work, Member, Imperial Council of Agricultural Research *Publications* (Science) "Ueber die Bewegung von Gasen," "First Steps in Radiology" & "Lernage" (Agricultural Research) The cultivation of Broomecorn, Experiments in Electrofarming, Further Experiments in Electrofarming, New Experiments in Electrofarming and Alcum Aspetti dell' Ellettrocultura (Sociology) Caste and Credit in the Rural Area (Law) Judgments & How to Write Them (Literature) Le Boquet d'Ophelie and Dante's Divine Comedy (Spiritual Uplift) "Doctor and Saint, A Passion of West and East" (Rural Uplift) Logbook of a Rural Uplift Van, Better Life in the Village, Current Problems in the Rural Area and some time editor of a Rural Uplift weekly called "Review of the Week" *Address* 17, George Town, Allahabad

NEPAL, HIS HIGHNESS PROJJWALA-NEPAL TARADHISHA MAHARAJA BHIM SHUM SHERF JUNG BAHADUR RANA, G C S I (Hon 1931) G C M G (1931), K C V O (1911), Yit-Tang Protting-Shun Chuan and Luh Chuan Shang Chuang (Chinese 1932) Prime Minister and Supreme Commander-in Chief b 16th April 1865 1st marriage 1 son, 2nd marriage 3 sons, 3rd marriage 1 daughter *Educ* Durbar High School, Kathmandu Entered army as a Colonel in 1878, General Comdg Northern Division 1885, General Comdg Southern Division 1887, General Comdg Eastern Division 1888, Senior Commanding General 1901, Commander-in Chief of the Nepalese Army 1901-1929, became Maharaja, Prime Minister and Supreme Commander in Chief in succession to his late illustrious elder brother Maharaja Chandra Shum Shere Jung in Nov 1931 Hon Lt-General in the British Army (1931) Hon Col 4th P W O Gurkha Rifles (1930) Is Grand Master of the Most Refulgent Order of the Star of Nepal Has been from time to time in charge of various civil and military portfolios which he conducted very ably and was the most efficient helper and right-hand man of the late Maharaja Chandra throughout the period of his very successful administration of Nepal as Maharaja and Prime Minister To show appreciation of his work he was honoured with an Hon K C V O by H M the King-Emperor George V in 1911 and in 1919 he got his K C S I, for valuable work rendered as assistant of Maharaja Chandra in giving help to the Allies during the Great War *Address* Singha Durbar, Katmandu, Nepal *Tele Address* "Maharaja Raxaul"

NEVILLE, HENRY RIVERS, B A, O B E (1919), V D (1920), C I E (1921), Commissioner, (on leave) b 24th May 1876 m Euphan M B E, d of T Maxwell, Esq, of Irvine, Ayrshire, d 1928 *Educ* Charterhouse Oriel College, Oxford Entered Indian Civil Service, 1899, posted to U P, Commanded U P Horse, 1919-17, services placed at disposal of C-in-C, Nov 1917, Asstt Adjutant-General at A H Q and from August 1921 to April 1923 Director of Auxiliary and Territorial Forces, Collector and Magistrate, Agra, Nov 1923, *Publications* Dist Gazetteers of the United Provinces *Address* Jhansi

NASIK, BISHOP OF (RT REV PHILIP HENRY LOYD, M A), b July 8, 1884 Educated at Eton and King's College, Cambridge, (late Scholar and 1st class Classical Tripos) On being ordained deacon in the Diocese of London, became Curate of St Mary of Eton, Hackney Wick Vice-Principal of Cuddesdon College from 1912 to 1915, when he came to India as an S P G Missioner Assistant Missionary at Miri 1915-1917, Chaplain to Bishop Palmer of Bombay 1917-1919, S P G Missioner at Ahmednagar 1917-1925 Consecrated Asst Bishop of Bombay with special charge of Ahmednagar and Aurangabad 1925 Appointed first Bishop of the new Diocese of Nasik, 1929 Address Nasik

NATARAJAN, KAMAKSHI, B A (Madras University), 1889, Editor, *The Indian Social Reformer*, Bombay, b 24th Sept 1868 Educ St Peter's H S, Tanjore, Pres Coll, Madras, Govt Coll, Kumbakonam, and Law Coll, Madras, Headmaster, Aryan H S, Triplicane, Madras, Asst Editor the *Hindu*, Madras, Pres, Madras Prov Soc Confc, Kurnool, 1911, and Pres, Bombay Prov Soc Confc, Bijnpur, 1918 President, Mysore Civic and Social Progress Conference 1921 and President, National Social Conference, Ahmedabad 1921, General Secretary, Indian National Social Conference, 1923-24 President, 40th Indian National Social Conference, Madras, 1927 Publications Presidential addresses at above Conferences, Report of Census of Hyderabad (Deccan), 1911 A Reply to Miss Katherine Mayo's "Mother India" (G A Natesan & Co, Madras) Address *The Indian Social Reformer Office*, Fort, Bombay, and "Kamakshi House," Bandra, Bombay

NATESAN, THE HON MR G A, head of G A Natesan & Co, and Editor, *The Indian Review*, Member, Council or State b 25th August 1873 Educ High School, Kumbakonam, St Joseph's School, Trinopoly, H H School, Triplicane, Presidency College, Madras University, B A (1897), Fellow of the Univ and Commissioner, Madras Corpn Has taken a leading part in Congress work Joined Moderate Conference, 1919 Sec, Madras Liberal League Joint Secretary, National Liberal Federation of India, 1922, visited Canada on Empire Parliamentary Delegation in 1928, attended Universities Conference 1929, Chairman, Retrenchment Committee for Stores, Printing and Stationery Presented with a public address in Madras on August 24, 1933, his sixty-first birthday, appointed member of the Indian Tariff Board, September 1933 Publications chiefly patriotic literature and speeches, etc, of public men, 'What India Wants' "Autonomy within the Empire" Address "Mangala Vilas," Luz, Mylapore, Madras

NATHUBHAI, TRIBHUVANDAS MANGALDAS, J P, Hon Mag and Fellow of Univ, Bombay, Sheth or Head of Kapor Banya community resigned presidentship after tenure thereof for 25 years, 1912 b 28 Oct 1856 Educ St Xavier's Coll, Bombay Was for 20 years an elected Mem of Bombay Mun Corpn, has been Hon Mag since establish-

ment of Courts of Bench Magistrates in Bombay Address Sir Mangaldas House, Lamington Road, Bombay

NAWAB SALAR JUNG BAHADUR, b 13 June 1889. Educ at Nizam College, Prime Minister of Hyderabad, 1912-14 Address Hyderabad, Deccan

NAWAZ, BEGAN SHAH, d of late Sir Muhammad Shah, KCSI, m 1911, Mian Shah Nawaz, Barrister, Lahore b 7 April, 1896 Educ Queen Mary's College, Lahore Entered public service at a very early age when still in purdah at her instance the All-India Muslim Women's Conference passed resolution against polygam 1917, gave up purdah in 1920 and since then actively engaged in educational and social reform matters, Member of several important hospital and maternity and welfare committees, Member of the Punjab Board of Film Censors since 1926, first Muslim woman to represent her sex in All-India Muslim League of Executive Committee, Member of Provincial Executive Committee and All-India General Committee of the Red Cross Society, Punjab, at Delhi, 1927, first woman to be elected as Vice-President of the 42nd Social Reform Conference, Lahore, 1929, acted as her father's honorary secretary when he attended as a delegate to the Imperial Conference, London, 1930, Woman delegate to the Indian Round Table Conference (1930-32) Publications Husan Hara Begum in Urdu, several pamphlets on educational and social matters, regular contributor to various Women's Journals in India Address Iqbal Manzil, Lahore

NAYDU, RAI BAHADUR KONA SHRINIWAS RAO, B A, LL B (Allahabad), Minister of Industries and Local Self Government, Central Provinces b 22nd May 1877 m to Laxmibai Nayudu, d of late Mr B Narsingrao Nayudu, Government and Railway Contractor, Khundwa Educ Collegiate High School, Jubbulpore, Ujjain and Agra Colleges Joined Wardha Bar in 1899, enrolled High Court Pleader in 1904, elected President, Marathi Municipal Committee 1915-1921 and 1924-1934, appointed Public Prosecutor, Wardha Session Division, 1917-34, elected to C P Legislative Council, 1923, elected Dy. President, C P Legislative Council, 1924-26, elected President of the C P and Berar Non-Brahmin Association since 1925, elected Chairman of the Reception Committee of the Non-Brahmin Congress, Amrohi, 1925, elected President Bombay Provincial Non-Brahmin Conference, 1928, led the C P and Berar Non-Brahmin Party Deputation before Simon Commission at Nagpur, 1928, again elected to C P Legislative Council November 1930 as a Non-Brahmin, elected leader of the Democratic (majority) Party of the C P Council in December 1930, elected unopposed Chairman, District Council, Wardha, in Jan 1934, appointed Minister of Industries to the C P Government in March 1934 Address Civil Lines, Nagpur, C P

NAZIMUDDIN, THE HON KHWAJA, M A (Cantab), CIE, 1927, Bar-at-Law Minister for Education, Government of Bengal b July 1894 m Shaher Bano, d of K M Ashraf Educ at Aligarh, M A O, College,

1911-13, Physiological Chemist, Imperial Bacteriological Laboratory, Muktesar, U P, 1914, war service, Captain I A R O attached 103rd Mahratta Light Infantry, 1915-18, Indian Agricultural Service Agricultural Chemist to Govt of Madras, 1918-24, Prof of Biochemistry, Indian Institute of Science, July 1924-1929 *Publications* Numerous scientific papers in various technical journals *Address* Tea Research Institute of Ceylon, St Colombo, Talawakelle, Ceylon

NOYCE, FRANK, SIR, Kt (1929), ICS, CSI (1924), C B E (1919) Member of the Viceroy's Council (Industries & Labour) 1931 b 4 June 1878 *Educ* Salisbury Sch and St Catharine's Coll, Cambridge m Enid, d of W M Kirkus of Liverpool Entered ICS, 1902 Served in Madras Under-Sec to Govt of India, Revenue and Agricultural Dept, 1912-16, Secretary, Indian Cotton Committee, 1917-18, Controller of Cotton Cloth, 1918-29, Vice-President and subsequently President, Indian Sugar Committee, 1919-20, Member, Burma Land Revenue Committee, 1920-21, Indian Trade Commissioner in London, 1922-23, Secy to the Govt of Madras, Development Department, 1923-24, President, Indian Coal Committee, 1924-25 President, Indian Tariff Board (Cotton Textile Industry Enquiry), 1926 Attached Officer and Asst Commissioner, Royal Commission on Agriculture in India, 1927, Secretary to the Government of India, Department of Education, Health and Lands, 1929 Honorary LL D, Aligarh Muslim University *Publications* England, India and Afghanistan (1902) *Address* Inverarm, Simla

OATEN, EDWARD FARLEY, M L C, M A, LL B, Director of Public Instruction, Bengal b 24 Feb 1884 m Dorothy Aileen Fegan, 2nd d of late E G Ellis *Educ* Skinner's School, Tunbridge Wells, Tunbridge School, Sidney Sussex College, Cambridge (Scholar) On staff Llandover Coll, 1908-9, I E S as Prof of History, Presidency Coll, Calcutta, 1909-16, Trooper, Calcutta Light Horse to 1916, thence to 1919 in I A R O attached 11th K E O Lancers in N W Frontier and in the Punjab, including Waziristan campaign, 1917, Lt, 1917, Ag Captain, 1919, Off Asst Director for Mahomedan Education, Bengal, 1919, Off Inspector of European Schools, Bengal, 1920, Off Principal, Hughli College, 1921, Asst Director of Public Instruction, Bengal, 1921, Director of Public Instruction, Bengal, 1924, Nominated member, Bengal Legislative Council, 1924, to present day, Fellow, Calcutta University, Major, A I India 1927 in command of 2nd (Calcutta) Bn University Training Corps *Publications* "A sketch of Anglo Indian Literature", "European Travellers in India", "Glimpses of India's History", contributed to 'Cambridge History of English Literature' *Address* United Service Club, Calcutta

OGILVIE, THE HON LIEUT-COLONEL GEORGE DRUMMOND, CSI (1932), C I E (1925), Agent to the Governor General in Rajputana b 18 Feb 1882 m Lorna Rome, d of the late T Rome, Esq, J P of Charlton House, Charlton Kings, Gloucestershire

Educ Cheltenham College, R M C, Sandhurst Entered Indian Army, 1900, appointed Indian Political Department, 1905, Asst Secretary, Govt of India, Army Department, 1915, Major, 1915, Lieut-Col, 1926, Dy Secretary, Govt of India, Foreign and Political Department, 1919, Offg Political Secretary, Govt of India, 1923, President, Council of State, Jaipur, 1925, Resident in Mewar, Rajputana, 1925-27, Secretary, Indian States Committee, 1927-29, Resident in Kashmir, 1929-1931, Agent to the Governor General in Central India, 1931-1933 *Address* Mount Abu, Rajputana

ORFON, MAJOR GENERAL ERNEST FREDRICK, P S C (1908), C B (1926), Director of Movements and Quartering, Army Headquarters, India b 27 April 1874 m Alice Frances Mickleburgh, 1904 Two s *Educ* Derby and R M C Sandhurst Joined Royal Dublin Fusiliers, 1894, transferred Indian Army 1897 (57th Lancers, Baluch Horse), Col 15th Lancers, China (Relief of Peking) 1900-10, despatches, Mekian (capture Nodiz Fort) 1902, Despatches, Great War 1915-19, Despatches (Brev Lieut-Col and Colonel) *Address* Army Headquarters, Delhi and Simla

PADSHAH, THE HON SAIED MAHMUD SAHIB BAHADUR, B A Member, Council of State, Member of the Road Committee, Council of State Advocate b 1887 m d of the late Sowcar Syed Mir Hussain Sahib Bahadur, a Mahomedan millionaire of Chittoor *Educ* Presidency College, Madras Joined the Bar in 1916, became Member of the Reformed Madras Legislative Council, 1921, agitated in the Council for the separation of the Judicial and Executive functions, the Temperance Movement, encouragement of cottage industries etc First joined the Council of State in 1924 and got re elected to it in 1925, became a Fellow of the Andhra University and President of Madras Presidency Muslim League in 1926 Presided over All-India Press Employees Conference held in Calcutta in 1927 Thrice nominated Panel Chairman of the Council of State, presided over several Provincial Muslim Conferences Again re elected to the Council of State, 1930, nominated delegate to the Second Round Table Conference, 1931, to represent Muslims of Madras Presidency, Nominated as a delegate to the Railway Board and Reserve Bank Conferences, London, in 1933, leader of the independent party in the Council of State *Address* Madras

PAGE, THE HON SIR ARTHUR, K C (1922), Chief Justice, Burma High Court b 1876, o surv s of late Nathaniel Page, J P, Carshalton, Surrey m Margaret, d of E Symes Thomson, M D, F R C P *Educ* Harrow, Magdalen Coll, Oxford Classical Honours Moderations, 1897, Literature Humaniores, 1899, B A 1899 Bar-at Law, 1901, Conservative Candidate, Derby Borough, Jan 1910, served European War in France and Flanders, A B, R N V R 1915, 2nd Lieut, Royal Marine Artillery Captain, 1917, Puisne Judge, Calcutta, 1923 *Publications* Licensing Bill, is it Just? 1903, Shops Act (joint author), 1911,

NEVILLE, BERTIE AYLMEY CRAMPTON, Secretary and Treasurer, Imperial Bank of India, Calcutta *b* 7 October 1882 *m*, 1911, Mabel Jess Sceales *Educ* Corrigan School, Kingstown, Ireland and Royal College of Surgeons, Dublin Five years with Bank of Ireland Joined Bank of Bengal in 1906 *Address* 10, Ronaldshay Road, Alipore, Calcutta

NEWBOULD, HON SIR BABINGTON BENNETT, Kt (1924), Puisne Judge, High Court, Calcutta, since 1916 *b* 7 March 1867 *Educ* Bedford Sch., Pembroke Coll., Cambridge Ent ICS, 1885 *Address* Bengal United Service Club, Calcutta

NEWCOME, MAJOR-GENERAL HENRY WILLIAM, CB (1923), CMG (1919), DSO (1915), MGR A Army Headquarter. *b* July 14th, 1875 *m* Helen, eldest daughter of 2nd Earl of Lathom, (died 1929) *Educ* Marlborough College and RMA, Woolwich *Address* Army Headquarters, Simla

NEWMAN, MAJOR GENERAL CHARLES RICHARD, CB CMG, DSO, GOC, Madras District *b* 24 July, 1875, *m* Dorothy Sarah Carr *Educ* Clifton College First Commission in Royal Artillery, June 15, 1895 *Address* Flagstaff House, Bangalore

NEWMAN, HAROLD LANCELOT, CIE (1930) Chief Conservator of Forests, Bombay Presidency *b* Aug 5, 1878 *m* Mary, *d* of the late Prof T A Hearson, A M I C E *Educ* Marlborough College and Royal Indian Engineering College, Coopers Hill Joined the Indian Forest Service as Assistant Conservator on November 15, 1901, apptd Conservator, 1st Jan 1922, Chief Conservator, Feb 1928 *Address* Poona

NICHOLSON, SIR FREDRICK AUGUSTUS, KCSI (1925), KCIE (1903), CIE (1899), Kaiser-i-Hind Medal, First Class, 1st Jan 1917 *b* 1846 *m* 1875, Catherine, OBE, *d* of Rev J Lechler, three *s* *Educ* Royal Medical College Epsom, Lincoln Coll., Oxford Entered Madras Civil Service, 1869, Member, Board of Revenue, Madras, 1899, Member, Viceroy's Legislative Council, 1897-99, 1900-02, reported on establishment of Agricultural Banks in India, 1895, Member of Famine Commission, 1901, retired, 1904, Hon Director of Fisheries, 1905-1918 *Publications* District Manual of Coimbatore, Land and Agricultural Banks for India, Madras Fisheries Bulletins, Note on Agriculture in Japan *Address* Surrenden, Coonoor, Nilgiris

NICKERSON, MAJOR-GENERAL WILLIAM HENRY SNEYDER, VC (1901), CB (1919), CMS (1916), KHS (1925), Director of Medical Services *b* 27 March 1875 *m* Katherine Anne Isabel, *d* of T W Waller Bynards Park, Surrey *Educ* Victoria University of Manchester, MB, Ch B (1896), DPH (1907) Entered Army 1898, S African War 1899-1902, Despatches, promoted Captain, Served in Egypt, W Africa, India Great War 1914-1919, A D MS of Division and D D MS of an army corps, D D MS Constantinople, Straits

and Black Sea, 1919, Despatches six times CMG, Brevet of Colonel, CB, D D MS, Egypt, 1922-25, Major-General 1925, D D MS, Eastern Command, 1925-1929, D MS India from 1929 *Address* Army Headquarters, India

NIHALSINGH, REV CANON SOLOMON, BA Evangelistic Missionary Chawhan Rajput of Mainpuri and Jagardar by birth *b* 15 Feb 1852, *m* 1870 *d* of Subahdar Sundar Singh, a Tilok Chandi Bais of Baiswara, three *s* three *d* *Educ* Govt H S, Lakhimpur, Canning Coll, Lucknow, ordained, 1891, Hon Canon in All Saints' Cathedral, Allahabad, 1906 *Publications* An English Grammar for the use of the middle classes in Oudh, Translation into English of the Urdu Entrance Course Majmua Sakhun, 1873-75, Khulasat-ul Isaiah (in two parts), Risala-e-Saf Goi or Plain Speaking, Verses on Temperance in Urdu, Munajat Asl, Verses on the Coronation of King Edward VII and George V in Urdu. *Address* 2, Pioneer Road, Allahabad.

NIYOGI, MACHIRAJA BHOVNISHANKER, MA, LL M, Additional Judicial Commissioner, Nagpur and Vice Chancellor, Nagpur University *b* 30th August 1886 *m* Dr Indirabai Niyogi, M B B S (Bom) *Educ* at Nagpur Practice at the Bar since 1910, President, Municipal Committee, Nagpur, 1925-1928, Member, University Court, Nagpur, 1924-27, President, Univ Union, 1928-29, Chairman, Local Board of Directors, Bharat Insurance Co., Social and Political Reforms activities *Address* Craddock Town, Nagpur, CP

NORBURY, H CARTER, JP, M Inst T F I R A, Chief Accounts Officer, G I P Railway, Bombay *b* 18 Oct 1883 *m* Miss Rickwood *Educ* at Leeds Great Northern Railway (England) Great Indian Peninsula Railway, and Indian Railway Accounts Office *Address* Victoria Terminus, Bombay

NORMAND, ALEXANDER ROBERT, MA, B Sc, Ph D, Prof of Chemistry, Wilson Coll, Bombay *b* Edinburgh, 4 March 1880 *m* 1909 Margaret Elizabeth Murray *Educ* Royal H S and Univ, Edinburgh *Address* Wilson College, Bombay

NORMAND, CHARLES, WILLIAM BLYTH, MA, D Sc, Director-General of Observatories *b* 10th September 1889 *m* Alison Mc Lennan *Educ* Royal High School and Edinburgh University Carnegie Scholar and Fellow 1911-1913 Meteorologist, Simla, from 1913-1915 and 1919-1927, I A R O, with Mesopotamian Expeditionary Force, 1916-19, mentioned in despatches, 1917 Director-General of Observatories, 1927 *Publications* Articles in Chemical and Meteorological Journals *Address* Meteorological Office, Poona

NORRIS, ROLAND VICTOR D Sc (London), M Sc (Manchester), FIC, Director, Tea Research Institute of Ceylon *b* 24 October 1887 *Educ* Ripon Grammar School and Univ of Manchester Schunck Research Assistant, Univ of Manchester, 1909, Research Scholar, Lister Institute of Preventive Medicine, 1910-11, Beit Memorial Fellow,

- India Council, 1927-32 Vice Chancellor, Lucknow University, since September 1932
Publications Short Lives of Gokhale and Karve *The Crux of the Indian Problem*
Address. Vice-Chancellor's Lodge, Lucknow
- PARSONS, SIR (ALFRED) ALAN (LETHBRIDGE), KT (1932), B A (Oxon), C I E (1925), Indian Civil Service, Secretary, Finance Department of the Government of India (1932) *b* 22nd October 1882 *m* Katharine Parsons *Educ* Bradfield College and Univ College, Oxford Indian Civil Service, Punjab, 1907, Under Secretary to Punjab Government, 1912, and to Government of India, Finance Department, 1916, Additional Financial Adviser, Military Finance, 1920, Deputy Controller of the Currency, Bombay, 1922, Secretary to Government of India, Industries Department, 1925 Financial Commissioner of Railways, 1926-1931, Temporary Member, Governor-General's Executive Council, 1932
Address New Delhi and Simla
- PARTAB BAHADUR SINGH, RAJA, TALUQDAR OF KILA PARTABGARH, C I E, Hon Magistrate, Hon Mem of U P Leg Council *b* 1866 *Address* Kila Partabgarh, Oudh
- PARTABGARH, H H RAM SINGH BAHADUR, MAHARAWAT *b* 1908 *s* 1929 *m* eldest *d* of Rao Raja Sir Madho Singhji, K C I E, of Sikar in Jaipur, 1924 (died), second *d* of Maharaja Saheb of Dumraon in Behar in 1932 *Educ* Mayo College, Ajmer, and passed his Diploma Examination from that College in 1927 State has an area of 886 sq miles and population of 67,114, salute of 15 guns *Address* Partabgarh, Rajputana
- PASCOE, SIR EDWIN HALL, KT (1928), M A, Sc D (Cantab), D Sc (London), F G S, F A S B, Director, Geological Survey of India 1921-1932 *b* 17 Feb 1878 *m* Mia, *d* of James MacLean of Beaulieu, Inverness *Educ* St John's College, Cambridge (Foundation Scholar) Joined Geological Survey, 1905, Kangra Earthquake Investigation 1905, Survey of Burma Oilfields, 1905-09, accompanied Makwarri Punitive Expedition, Naga Hills, 1910, deputed Persian Gulf, Arabian Coast and W Persia, 1913, Slade Oilfields Commission in Persia, and Persian Gulf, 1913-14, Punjab and N W Frontier, 1914-15, Commn as Lt in I A R O, 1915-1917, on Active Service, Mesopotamia, 1916-17, promoted to Superintendent, Geological Survey of India, 1917, on Deputation to Mesopotamia, 1918-19 Editor, *Memoirs and Records of the Geological Survey of India* 1920-1930, Mining and Geological Institute of India, President in 1924, Treasurer and Editor of *Transactions*, 1920-1930 President of the Governing Body Indian School of Mining and Geology 1921-32 Trustee, Indian Museum, Calcutta 1921-1932 Imperial Economic Conference, London, 1930 *Publications* The Oilfields of Burma, The Petroleum Occurrences of Assam and Bengal, Petroleum in the Punjab and N W Frontier Province, Geological Notes on Mesopotamia, with special reference to occurrences of Petroleum, and several shorter papers in the *Records*, Geological Survey of India and elsewhere
Address Geological Survey of India, 27, Chowringhee, Calcutta
- PATE, HENRY REGINALD, B A, C I E (1931) Second Secretary, Government of Madras *b* 10 Aug 1880 *m* Ethel Blanche Bignell 1924 *Educ* Clifton 1893-99, King's Coll, Cambridge 1899-1904 Joined ICS 1904, Special Settlement Officer, Secretary, Board of Revenue, Deputy Secretary of Government of India and Offg Secretary of Army Department, Collr of Malabar, Secretary to Government of Madras, Revenue Department *Publications* A Gazetteer of the Tinnevely District (Madras Government Press) *Address* Madras
- PATEL, VALLABHBHAI JHAVERBHAI, BAR-AT-LAW Born of a Patidar family at Karamsad near Nadiad, Matriculated from the Nadiad high school, passed District Pleader's examination and began practice on the criminal side at Godhra, went to England and was called to the Bar at Middle Temple On return from England started practising in Ahmedabad Entered public life in 1916 as an associate of Mr M K Gandhi who had established his Satyagraha Ashram at Ahmedabad Came into prominence as a Satyagraha leader first at Kaira and then in the Nagpur national flag agitation and elsewhere, and in the Bardoli no-tax campaign On suspension of non co operation movement and incarceration of Mr Gandhi, joined Ahmedabad Municipality for the first time and became its President, 1927-28 *Address* Bhadra, Ahmedabad
- PATKAR, The Hon Mr Justice SITARAM SUNDERRAO, B A, LL B, *b* 16 May 1873 *m* Mrs Shantabai Patkar *Educ* Elphinstone High School and Elphinstone College Began practising as a Pleader, High Court, Appellate Side in 1897, Was appointed Government Pleader in 1913 and continued as such till July 1926, Selected in November 1923 Member of the India Bar Committee appointed by Lord Reading, which made its report in Feb 1924 and resulted in the enactment of the Indian Bar Councils Act of 1926 Appointed Additional Judge, Bombay High Court, in July 1926 and confirmed as permanent Judge, Nov 1926 appointed to act as officiating Chief Justice in June 1931, retired in 1933, elected Vice Chancellor of the Indian Women's University in July 1931 Elected Chancellor of the Indian Women's University, July 1932 *Address* Hughes Road, Chowpaty, Bombay
- PATRO, RAO BAHADUR SIR ANNEPU PARASHURAMADASS, KT (1924), High Court Vakil, Ganjam, landholder, Member of the Madras Legislative Council, connected with the working of Local Self-Government institutions in rural area for over a quarter of a century Minister of Education, Public Works and Excise, 1921-27 President, All-Parties Conference, Delhi, 1930, President, South India Liberal Conference, 1927, President and Leader of All-Indian Committee of Justice Party (Non-Brahmin) Delegate to Round Table Conference, 1930 and 1931 and 1932, also Delegate to England to co operate with the Joint Parliamentary Committee on Indian Reforms 1933 Delegate to the League of Nations Geneva, 1931 *Publica*

Legal Problems of the Empire in Oxford Survey of the British Empire, 1914, Imperialism and Democracy, 1913, War and Alien Enemies, 1914 various articles on Political and Social subjects, Harrow School cricket and football elevens and five player Address High Court, Rangoon

PAI, K RAMA, MA (Hons), Controller of Patents and Designs b Jan 15, 1893 m 1913 Sita Bai Educ T D High School, Cochin, Maharaja's Coll, Irnakulam and Presidency Coll, Madras Professor of Chemistry, S P G College, Trichinopoly, 1916-18, Prof of Chemistry, Maharaja's Coll, Vizianagaram, 1918-19, Asst Metallurgical Inspector, Jamshedpur, 1919-20, Examiner of Patents, Calcutta, 1921-24, on deputation to H M's Patent Office, London, 1923, Controller of Patents and Designs, 1924 Address 1, Council House Street, Calcutta

PAKENHAM-WALSH, Rt Rev FRERBERT, DD (Dub), Principal, Bishop's College, Calcutta b Dublin, 22 March 1871, 3rd son of late Rt Rev William Pakenham-Walsh, Bishop of Ossory, and Clara Jane Ridley m 1916, Clara Ridley, wd of Rev Canon F C Hayes Laur Chard Grammar School, Birkenhead School, Trinity College, Dublin Deacon, 1896, worked as a member of the Dublin University Brotherhood, Chhiota Nagpore, India, 1896-1903, Principal, S P G College, Trichinopoly, 1904-07, Head of the S P G Brotherhood, Trichinopoly, Warden, Bishop Cotton School, Bangalore, 1907-14, Bishop of Assam, 1915-23 Publications St Francis of Assisi and other poems, Nisbet, Altar and Table (S P G K) Evolution and Christianity (C L S) Commentary on St John's Ep (S P G K), Daily Services for Schools and Colleges (Longman's) and Divine Healing (S P G K) Antiphonal Psalter Address Bishop's College, 224, Lower Circular Road, Calcutta

PALITANA, THAKORF SANBH OF, SHRI BAHADURJI MAHARAJI (Gohel Rajput), K C I E With a permanent dynastic salute of 9 guns b 3 April 1900 Invested with full powers 27th Nov 1919 A member of the Chamber of Princes in his own right and of the Rajkot Rajkumar College Council Address Palitana

PANANDIKAR, SATYASHRAYA GOPAL, MA (Bombay), 1916, Ph D (Econ London), 1921, D Sc (Econ, London), 1926 Professor of History and Political Economy, Elphinstone College, Bombay Secretary, Board of Film Censors, Bombay b 18 July 1894 m to Indira, d of S A Sabinis Esq, Solicitor, High Court, Bombay Educ Elphinstone College, Bombay and School of Economics, Univ of London Some time Professor of Political Economy, University of Dacca (1921-23) Publications Economic Consequences of the War for India, Wealth and Welfare of the Bengal Delta, and Industrial Labour in India Address Elphinstone College, Fort, Bombay

PANCKRIDGE, HUGH RAHERE, BA, Barrister, Judge, High Court Calcutta (April 1930) b Oct 2, 1885 Educ Winchester College and Oril College, Oxford Called to Bar Inner Temple, 1909, Advocate,

Calcutta High Court, 1910, Standing Counsel, Bengal, 1926, Officiating Judge, 1929, Additional Judge, 1929 Indian Army Reserve of Officers, 1914, Capt 1918, mentioned in despatches by Field Marshal Lord Allenby, served in France and Palestine Address Bengal Club, Calcutta, and Oriental Club, Hanover Square, London

PANDALAI, THE HON'BLE MR JUSTICE K KRISHNA, BA, BL, Bar-at-Law, LL D (Lond) 1914, Judge, High Court, Madras b April 1874 m J Narayana Amma Educ Mavelikara, Travancore and Madras Practised law in the State of Travancore from 1896 to 1911 Proceeded to England and was called to the Bar in 1912 Judge, High Court, Travancore, 1913-14 awarded LL D by London University for thesis on Malabar Law Practised at Madras 1914-19, appointed Judge, Small Cause Court, 1919, Chief Presidency Magistrate, 1924, Judge, High Court, 1928 Publications Editor of Series of Science Primers in Malayalam, author of Primer on Chemistry author of "Succession and Partition in Malabar Law" Address Tanark Hall, Rundall's Road, Vepery, Madras

PARANJPE, GOPAL RAMCHANDRA, M Sc, A II Sc, I ES, J P Professor of Physics, Royal Institute of Science, Bombay b 30 January 1891 m Mrs Mahini Paranjpe Educ Poona, Heidelberg and Berlin Bombay University Research Scholar at Bangalore for three years, then for some time Assistant in the Physical Chemistry Department of the Indian Institute of Science, Bangalore, since 1920 Professor of Physics in the Indian Educational Service at the Royal Institute of Science, Bombay Fellow of University of Bombay Publications Various papers in the journals of the Indian Institute of Science, Bangalore, The Indian Journal of Physics, Calcutta, and other Scientific journals Joint Editor of the popular Scientific monthly in Marathi Srishti Dnyan Address Royal Institute of Science, Mayo Road, Bombay "Sadhana," Dadar, Matunga (South), Bombay 14

PARANJPYE, RAGHUNATH PURUSHOTTAM, DR MA (Cantab), B Sc (Bombay), D Sc (Calcutta) b Murdi, 16 Feb 1876 Educ Maratha H S, Bombay, Fergusson Coll, St John's Coll, Cambridge (Fell) Paris, Poona, and Göttingen, First in all Univ exams in India, went to England as Govt of India scholar, bracketed Senior Wrangler at Cambridge, 1899 Prince and Prof of Math, Fergusson Coll Poona 1902-24, Hon Associate of the Rationalist Press Association, has taken prominent part in all social, political and educational movements in Bombay Pres Vice Chancellor of Indian Women's Univ, 1916-20, Bombay Leg Council, 1913, represented the University of Bombay, 1916-23, 1926 Awarded the Kaiser-i-Hind Gold Medal in 1916 Minister, Bombay Government, 1921-23, 1927, Member, Reforms Inquiry Committee, 1924, Auxiliary and Territorial Forces Committee, 1924, Indian Taxation Inquiry Committee 1924 or Elected to Bombay Council to represent Univ in 1926, appointed Minister, 1927, Member,

Hon Treasurer of the Advisory Committee of the Parsi Pioneer Battalion, Hon Treasurer of *Jame Centenary Fund*, Member of the Managing Committee of the Parsi Co-operative Housing Society, President of M O C of 51st Bombay Scout Troop, Vice President of the Bombay Scout Association and Chairman of the Scout Committee, Joint Hon Secretary of the Bombay Olympic Association Superintendent of the Plague Camp at Santa Cruz in 1897, A Trustee of Dr Gimi Trust Fund for Technical Education and of the Navasari High School, A Trustee of the Petit Gymnasium, Life Member of Mazdayasni Mandal, Bulsara Class, Y M P A, and Khorshed Mandal, Chairman of Parsi Scout Federation and Parsi Purity League and Zoroastrian B and Executive Committees President of the 'Zoroastrian Orchestra', Joint Hon Secy, "Parsi Behari Fund Publications Parsi Cricket, Physical Culture, The Team Spirit in Cricket, Radio Talks on Boxing among the Parsis, 'Scouting', 'Health' and '100 First-Aid Don'ts' Clubs Parsi Gymkhana, Willingdon Sports Club and Ripon Club Address Colaba Castle, Colaba, Bombay

PAVRV, MISS BAPSI, M A, Author and Litterateur b 25 December 1906 *Educ* Queen Mary High School and St Xavier's College, Bombay, M A with Distinction, Columbia University, New York Travelled extensively in Europe and America, 1925-26 Presented at Their Majesties Court in 1928 Delegate to the Geneva Conference for Peace through Religion, 1928 Member of Committee of various Charity Balls, the League of Mercy, the University College, the Empire Eve, the Empire Day held in London during the years 1928, 1929 and 1930 in aid of hospitals Travelled extensively in England and on the Continent, 1927-30 Visited Europe in 1931 and again in 1932 in connection with the work of the World Conference for International Peace through Religion, Member of The Primrose League of Great Britain, British League of Mercy, British Federation of University Women, British Indian Union, International Theatre Society of London also of the Bombay Work Guild, and of several other Associations and Societies *Publications* The Heroines of Ancient Persia, Stories Retold from the Shahnameh of Firdausi (Cambridge, 1930), and many articles in popular and scientific journals Address Pedder Road, Cumballa Hill, Bombay

PERIER, MOST REV FERDINAND, S J, Catholic Archbishop of Calcutta, since 1924 b Antwerp, 22 Sept 1875 Joined Society of Jesus, 1897, nominated Superior of Jesuit Mission in Bengal, 1913 Consecrated Co-adjutor Bishop, Dec 1921 Grand Cross, Order of the Crown, Knight Commander, Order of Leopold Address 32, Park Street Calcutta

PLTIGARA, KHAN BAHADUR KAVASJI JAMSHEDJI, C I E, Deputy Commissioner of Police, Special Branch, Bombay b 24 Nov 1877 m Avnubi, d of Mr Jehangirshaw Ardeshr Talevar Khan *Educ* Surat and

Bombay Started career as Sub Inspector of Police in Bombay City C I D and gradually went through all grades of the City C I D Was promoted to Indian Police Service in 1928, and has since been Deputy Commissioner of Police in charge Special Branch of the Bombay C I D Received medal of the Royal Victorian Order from H I M the King-Emperor, 1912, created Khan Sahib, 1912, Khan Bahadur, 1916, Kusr I Hind Medal, First Class, 1923, appointed Justice of the Peace 1924, appointed Companion of the Imperial Service Order 1926 appointed Officer of the Most Excellent Order of the British Empire, 1931 C I E 1933 Address 2, Wintca Road, Malabar Hill, Bombay

PETIT, JEHANGIR BOMANIFF, Merchant and millowner b 21 Aug 1879 m Miss Jaijee Sarabjee Pituck, M B E Kusr I-Hind Silver medallist *Educ* Fort High and St Xavier's Institutions J P, merchant and mill agent, Member, Bombay Municipal Corporation, and The Bombay Improvement Trust Board, 1901-1931, Bombay Development Board and the Victoria Jubilee Technical Institute, Member of the Committee of the Bombay Millowners' Association (President, 1915-16 & 1928-29), Indian Merchants' Chamber (President, 1919-20) and Indian Industrial Conference (President 1918), Vice-President, Bombay Presidency Assocn, Fellow of the University of Bombay, Trustee of Parsee Panchayat, Founder and Managing Director of *The Indian Daily Mail* (1923-1931) Founder and President of the B D Petit Parsi General Hospital, Indian Economic Society, Bombay Progressive Association, and New High School for Girls (Bombay), Founder of the Imperial Indian Citizenship Association and the Victoria Memorial School for the Blind Delegate of the Parsi Chief Matrimonial Court (1902-1922), Member of Bombay Legislative Council (1921-1923 and 1927-33), Excise Committee (1921-24), Indigenous Industries Committee (1915-1917), Industrial Disputes Committee (1921), the University Reforms Committee (1924), and the Bombay Provincial Franchise Committee, 1931 Address Mount Petit, Pedder Road, Cumballa Hill, Bombay

PETMAN, CHARLES EARLE BEVAN, C I E b 9 September 1866 m 1926, Amy, widow of John William Hensley, deceased, late Director of Indian Govt Telegraphs and d of Rev Edwin Pope deceased, formerly Vicar of Paddock Wood, Kent and Rector of Lat chingdon Essex *Educ* Privately and at Trinity College, Cambridge, Advocate, Calcutta H Court, 1892, and of Chief Court, Punjab 1892 Government Advocate, Punjab, 1909, Judge of the High Court, Lahore, from April to Aug 1920 and from Oct 1920 to Feb 1921 Founder and First Master of the Lahore Hunt, 1903 *Publications* "Report on Frauds and Bribery in the Commissioner's Department" "P W D Contract Manual" (Revised Edition) Address Lahore

PETRIE, SIR DAVID, C I E, C V O, C B E, Chairman, Public Service Commission, India, since August 1932 b 1879 *Educ* Aberdeen Univ Lnt Ind Police, 1900, Asst Dir, C I D, Simla, 1911-12, Spec

ions Rural Economics A Study of Rural Conditions in the Madras Presidency, Studies in Local Self-Government Address Cosmopolitan Club, Madras

PATTANI, SIR PRABHSHANKAR DALPATRAM, K C I E, President of Council of Administration, Bhavnagar State, 1920, Member of Exec Council of Government of Bombay, 1912-1915, of the Bombay Legislative Council, 1916, of the Imperial Legislative Council, 1917, of the Council of India, 1917-19 b 1862 Educ Morvi, Rajkote, Bombay Address Anant wadi, Bhavnagar

PAVRY, DASTURJI SAHEB CURSETJI ERACHJI, First High Priest of the Farsi Sect (Reform Section) of the Parsis in Bombay, elected, 1920, Order of Merit from the Shah of Persia 1929, to be presented in April 1933 with a Commemorative Volume of Oriental Studies being the work of one hundred of the world's foremost Orientalists, b 9 April 1859, sons, three, daughters, three Education public and private schools, Navsari Ordained into Zoroastrian priesthood, 1871, first Principal of the Zend-Pahlavi Madressa (Zoroastrian Theological Seminary) at Navsari, appointed, 1889, High Priest of the Parsis at Lonavla, elected, 1912 Founder and trustee of the Bzme Jashné Ruzé Hormazd (Society for the Propagation of Zoroastrian Knowledge), also trustee of the Mullin Anjuman Behetari Fund (Foundation for the Betterment of the Zoroastrian Community) Publications Rāhe Zarthoshti (A Zoroastrian Catechism), Bombay, 1901, second edition 1931, Tarikate Zarthoshti (Zoroastrian Ceremonials), Bombay 1902, Second edition 1932, Vaazé Khurshed (Lectures and Sermons on Zoroastrian Subjects), Bombay, 1904, Resāhe Khurshed (Essays and Addresses on Zoroastrian Subjects), Parts 2, 3, Bombay, 1917, 1931, Zarthoshti Sāhitya Abhyās (Zoroastrian Studies) Parts 1, 2, Bombay, 1922, 1928, Iranian Studies Bombay, 1927, many articles in Gujarati newspapers and scientific journals Address Pedder Road, Cumballa Hill, Bombay

PAVRY, FAREEDUN DASTUR CURSETJI, Chief Engineer, North Western Railway (retired) Created C I E, 1930 Eldest son of Dasturji Sahab Cursetji Erachji Pavry Education Elphinstone College and the Royal Indian Engineering College at Cooper's Hill, Associate and Fellow of Cooper's Hill Appointed Assistant Engineer North Western Railway, 1900, Executive Engineer, 1908, Superintending Engineer, 1924 Address Office of the Chief Engineer, North Western Railway, Lahore

PAVRY, JAL DASTUR C, M A, Ph D, Orientalist and Author b 27 November 1899 Educ Elphinstone College, 1916 B S, St Xavier's College, 1918 20, B A, with Honours, Bombay University, 1920, Fellow of St Xavier's College and of Mulla Firoz Madressa, 1920 21, M A and Ph D with Distinction of Columbia University, 1922 and 1925, respectively, Fellow of Columbia University, 1924-25, Travelled extensively in Europe and America, 1925 26 Appointed University Examiner in

Avesta and Pahlavi on return to India in 1926 Went to England in 1927 on a scholarly and religious mission Delivered numerous public lectures at various centres of learning in England and in fourteen other countries on the Continent, 1927-30 Upon the establishment in London of the Zoroastrian House with the Hall of Prayer, and the completion of the scholarly work in England, returned to India in 1930 Delivered a number of public lectures in Bombay and various other centres of learning in Northern India in 1931 Visited Europe again in 1932 for the completion of a literary project, Chairman of the Religion Section, Inter-Collegiate Club, (International House), New York (1921-25) Member of Council of the Foreign Universities Information Bureau, University of Bombay (1926-29), of the Mulla Firoz Madressa (since 1926), of the World Conference for International Peace through Religion (since 1928), of the Society for Promoting the Study of Religions (London since 1930), of Columbia University Club of London (since 1930), and of Cama Oriental Institute since 1931 Member of the Book Committee, Parsi Punchayet, since 1931 Delegate to the World Conference for International Peace through Religion (Geneva, 1928), to the Seventeenth International Congress of Orientalists (Oxford 1928), to the Fifth International Congress for the History of Religion (Lund), 1929, and to the First Historical Congress (Bombay, 1931), President of Columbia University Club of Bombay since 1931 Member of the Royal Asiatic Society of Great Britain, of the American Oriental Society, and various other learned Societies Publications The Zoroastrian Doctrine of a Future Life (New York, 1926), The Teaching of Zarathushtra (Bombay 1926), Yashte Vadardegan, or the Zoroastrian Sacraments and Ordinances (Bombay, 1927), and numerous articles on Oriental subjects in popular and Scientific Journals Address Pedder Road, Cumballa Hill, Bombay

PAVRY, MERWANJI ERACHJI, J P (Bombay), L R C P (London), L M & S (Bombay), L M (Dublin), Captain (I M S) of the Parsi Pioneer Battalion, Hon Presidency Magte, medical practitioner, Bombay b 15 October 1866 m 1876 Educ Sir C Jehangir Navsari Zarthoshti Madressa High School, Grant Medical College of Bombay, Rotunda Hospital of Dublin, and London Hospital Cricket Career The first Parsi cricketer to play for the Middlesex County XI in 1895 Was one of the members of the Second Parsi Team that toured England in 1888 and was the principal bowler Played for twenty nine years for the representative Parsi Team of Bombay, celebrating the Jubilee in 1910, and captained the Parsi team for twenty-four years 1889-1913 Divisional Surgeon and Examiner St John's Ambulance Division Has been the Chairman of the Parsi Selection Committee since 1915, President of the Baronet Cricket Club and the John Bright Cricket Club of Bombay since 1882 and 1884 Public Life Chairman of the Executive Committee and Vice-President of the Zoroastrian Physical Culture and Health League and the Sir Drishaw M Petit Gymnasium in Bombay

Calcutta University since 1920 President, Council of Post Graduate Teaching in Arts, Calcutta University, b November 1879 Educ at Presidency College, Calcutta, and London School of Economics, England Professor in the Bishop's, City, Ripon and Scottish Church Colleges, Calcutta, 1905-1913, Delegate to the Congress of Universities, Oxford, 1921, Member, Bengal Legis Council, 1923-30, Fellow Calcutta University, Member of the Syndicate, Calcutta University, Dean, Faculty of Arts, Calcutta University, 1929-30, President, Bengal Economic Society since 1927, President, Indian Economic Conference, 1930 Publications A study of Indian Economics, (First Edition, 1911), Public Administration in Ancient India, Fiscal Policy in India, A History of Indian Taxation, Indian Finance in the Days of the Company, and Provincial Finance in India Indian Budgets, Military Expenditure in India Address 3, Asutosh Silk Lane, Calcutta

PRASAD, GANESH, M A (Cantab), D Sc, Hartinge Professor of Higher Mathematics in the Calcutta University, Life President of the Benares Mathematical Society, President, Calcutta Mathematical Society, Patron, Allahabad University Math Assocn b 15th Nov 1876 Educ Ballia, Allahabad, Cambridge, Göttingen Member of Court, Council and Senate, Hindu Univ- (1924), Member of Court, Executive and Academic Councils and Faculty of Science, Allahabad Univ, Fellow of Calcutta University and Vice-President, Indian Association for Cultivation of Science, Member of the Senate and Ex-Council, Agra University Publications "Constitution of Matter and Analytical Theories of Heat" (Berlin, 1903) text-book on Differential Calculus and Integral Calculus (London, 1909 and 1910), "Mathematical Research in the last twenty years" (Berlin, 1922), "The place of partial differential equations in Mathematical Physics" (Calcutta, 1924), "An Introduction to the theory of elliptic functions and higher transcendents" (Calcutta, 1928), "Lectures on recent researches in the theory of Fourier series" (Calcutta, 1928) and many other original papers published in the mathematical and scientific journals of England, Germany, Italy and India during 1900-1924 Address 2, Sama Vaya Mansions, Corporation Street, Calcutta, and 37, Benares Cantt

PRASAD, THE HON JUSTICE SIR JWALA B A, LL B, Puisne Judge, Patna High Court, since 1916 Acting Chief Justice, 1921 b, 25th March 1875, son of Babu Sahay late Deputy Collector and Magistrate of Bhadrara, Pregana Beher, Bihar and Orissa m 1888, d of Munshi Mangul Sen Singh, Zamindar and retired Dy Commissioner Educ Arrah Zillah School, Patna College, Calcutta University Muir Central College and Allahabad University B A 1st Class Honours and Jubilee Medalist 1893, LL B, and Jubilee Bursary 1893 Vakil, Calcutta and Allahabad High Courts, Government Pleader, Shahabad, 1903 Vice Chairman, Local Board, 1904 Member of

Shahabad District Board, 1901 Secretary of Government Arrah Zillah School, 1908, Founded Purdah Girls' School at Arrah 1913, Inaugurated Zillah School Boarding House, 1913 Fellow of Patna University Member of Syndicate and of the Faculty of Law and Board of Examiners in Law President, League of Educationists President, All India Kayastha Conference 1915, President, Behar Young Men's Institute, Rai Saheb, 1914, Rai Bahadur, 1915 Ag Chief Justice in 1922, 1924 and 1926 Ag Chief Justice 1931 Address Patna

PRICE, EDWIN LLESWARE, B A (Oxon), Barrister-at-Law, C I E, O B E, F R E S., Chevalier de la Legion d'honneur Merchant, French Consular Agent at Karachi since 1914 b 8th July 1874 Member, Legislative Assembly, 1920-21 and 1929, Municipal Councillor, Karachi, since 1926, Member, Hides Cess Enquiry Committee 1929-30, Vice-President, Karachi Municipality, 1929 Port Trustee 1930-32, Member, Sind Conference, 1932 Address "New-croft", Ghuzni Road, Karachi

PRYCE, LIEUTENANT-GENERAL SIR HENRY EDWARD AF RHYS, K C B, C M G D S O, P S C, Indian Army b 30 Nov 1874 c s of late Lt-Col Douglas Davidson Pryce, Indian Army, of Penns Rocks, Witham Sussex m Alice Louisa Pugh, d of R F H Pugh Esq, two sons Educ Trinity Coll, Glenalmond and R M C Sandhurst 2nd Lieut Indian S C, 1895, 2nd Lieut Indian Army, 1896, Lieut 1897, Captain 1904, Major 1913, Lieut Col (Brevet) 1916, (Subst) 1918, Col (Brev) 1919, (Subst) 1920, Major-General, 1925, Lieut-General, 1931, G S O 2, India, 1912-14, D A Q M G, France, 1914-15, A A and Q M G Home Forces (Temp), 1915, G S O I Home Forces and France, 1915-17, Brig Commander, France, 1917-18 Served Tibet 1903-04, (Medal), (despatches seven times, croix de Guerre Belge) Commandant, Senior Officers' School, India, (Temp Col Commandant, 1921, D of S & T India 1925 to 1929, G O C Presidency and Assam District, India, 1929-1930, G O C, Deccan District, 1930-32, Offg G O C in Chief, Southern Command, India, 1931-32, Appointed Master-General of the Ordnance in India 1934 Address Army Headquarters, India, New Delhi and Simla

PUDUKKOTTAI, HIS HIGHNESS SRI BRIHADANBA DAS RAJA RAJAGOPALA TONDAIMAN BAHADUR, RAJA of b 1922 Installed 19th November 1928 Minor The State has an area of 1,179 sq miles and population of 400,594 and has been ruled by the Tondaiman dynasty for centuries Salute 11 guns Address New Palace Pudukkottai

PUDUMJEE, NOWROJEE, 1st Class Sardar of Deccan, Bombay, C I E b 1841 Educ Poona Coll under Sir Edwin Arnold, war mem of Bombay Leg Council, Promoter and Chairman of several Industrial and Banking Companies. Address Pudumjee House, Poona

duty with Home Dept., 1915-1919, on special duty with H R H the Duke of Connaught, 1921, on staff of H R H the Prince of Wales, 1921-22, Senior Superintendent of Police, Lahore, Member of the R Comm on Public Services, 1923, Director, Intelligence Bureau, Home Department Government of India, 1924-31 appointed Member, Public Service Commission, India, April 1931 Chairman, Indian Red Cross Society and St John Ambulance Association, and Chief Commissioner for the Empire of India of St John Ambulance Brigade Overseas, Knight of Grace of St John of Jerusalem, 1933 Address c/o Lloyds Bank, Bombay

PICKTHALL, MARMADUKE WILLIAM, H E H the Nizam's Service b 7 April 1875 m Muriel Emily Cadwaladr-Smith Educ Harrow, on the continent of Europe and in Syria, Egypt and Turkey Spent much of his life in Syria and Egypt and came to be regarded as an expert on Near Eastern affairs, was a strong partisan of the Young Turks in their struggle to reform their country, became Muslim in Constantinople Succeeded Lord Mowbray and Stoarton as President of Anglo Ottoman Society, served in British Army during Great War, Editor, *Bombay Chronicle*, 1920-24, in 1925 entered H E H the Nizam's service, Principal, Govt High School, Chhadarghat, Superintendent, Hyderabad Civil Service class, Director of Information, Editor, *Islamic Culture Publications* Many novels and short stories including "Said the Fisherman," "The Valley of the Kings," "Veiled Women," "The House of Islam," "The House of War," "Knights of Araby," "The Early Hours," "Oriental Encounters," "Tales from Five Chimneys," "Sir Limpidus," "As Others See Us," "With the Turk in Wartime," Pot ru-feu Edited "Folklore of the Holyland" In 1928 was granted two years special leave by H E H the Nizam for the purpose of completing a translation of the Qur'an on which he had been long engaged In Nov 1930 the work was published in England and America entitled "The Meaning of the Glorious Koran an Explanatory Translation" (Allen and Unwin) Address Civil Service House, Hyderabad, Deccan

PITKEATHLY JAMES STOTT, G M G, C I E, C V O, C B I, D S O Chief Controller of Stores b 10 Nov 1882 Joined the service 1909 as electrical inspector, electrical engineer, 1911, C V O 1911 on military service, 1916-1919, Asst Director of Works, Electrical and Mechanical Sections, Mesopotamia, 1916, C I E 1920, Chief Controller of Stores, Indian Stores Department, 1922, on foreign service under Ceylon Government, 1928, C M G 1930 Address The Indian Stores Department, Government of India, Simla and Delhi

POCHKHANAWALA, SORABH NUSSERAWANJI Certificated Associate of the Institute of Bankers (London), 1910, Managing Director, Central Bank of India, Ltd b 9 Aug 1881 m Bai Saherbai Ruttonji Educ New High School and St Xavier's College, Bombay Joined

Chartered Bank of India, Australia and China and after serving the Bank for 7 years and the Bank of India for 5 years, founded the Central Bank of India Was appointed member of the Government Securities Rehabilitation Committee by the Govt of India in 1921, appointed Chairman, Ceylon Banking Commission, April 1934 Address "Buena Vista," Marine Parade, Worli, Bombay

POPE, MAJOR GENERAL SYDNEY BOXTON, D S O (1916), C B (1930), Legion d Honneur (France) 1917, Commander, Waziristan District b 9th February 1879 m Dorothy Ashby Daniel, 1925 Educ St Paul's School and Christ's College, Cambridge Joined 18th Royal Irish, 1901, 58th Rifles F F (I A) 1904, N W Frontier of India 1908 (operations against Mohmands), Staff College, 1914 Great War, France 1914 to Dec 1917, Palestine 1918 to 1919 Brevet of Lt-Colonel, 1919, Brevet of Col 1921, Commandant, 49th Hyderabad Regiment, 1924, Commanded Bannu Brigade 1926, Commander, Razmah Brigade, 1929, Major General 1930, Commander, Waziristan District, 1931, Colonel 4/19th Hyderabad Regiment, 1931 Address Deira Ismail Khan

POSA, MAUNG, I S O (1911), K S M 1893 b Toungoo, 13 May 1862 Educ St Paul's R C M Sch, Toungoo Asstt to Civil Officer, Ningyay Column II, B Expeditionary Field Force, 1885-87, Burma Medal with clasp, 1885-87 Senior Member, Burma Provincial Judicial ser since 1911 Interpreter to Prince of Wales during visit to Burma Jan 1906 Also to three Viceroys, 1898, 1901, 1908 Dist Judge, 1916, Offg Divisional Sessions Judge, 1918 Retired, June 1918 Asstt Dir Recruiting, July to Dec 1918 Mentioned in despatches Address Irtaton

PRADHAN SIR GOVIND BALWANT, Kt, B A, LL B, Advocate (O S) b May 1874 m Rumbud of Mr P B Pradhan retired Assistant Engineer Educ B J High School Thana, Liphinstone College, and Govt Law School, Bombay Practised at Thana, became, Public Prosecutor of Kolaba, 1907, resigned in 1920, for 20 years a member of Thana Municipality, for several years its Vice-President and for 7 years its elected President, Member of District Local Board, Thana, for 3 years, was one of the Directors of Thana Dist Co-operative Credit Bank, President Thana Dist Boy Scouts Movement, is one of the Vice-Presidents of the Chन्द्रrasenai Kavastha Prabhu community, elected at the Indore Parishad, elected to the Bombay Council in 1924, re-elected in 1926 by the Thana and Bombay Suburban Districts Non-Mahomedan Rural Constituency, Minister of Forest and Excise, 1927-28, Finance Member of Bombay Government 1928-1932 Created Knight in June 1931 (Birthday Honour List) Address Balwant Bag, Thana, Laburnum Road, Gamdevi, Bombay

PRAMATHANATH, BANERJEE, Professor Dr MA (Cal), D Sc Lon (Lond), Barrister at Law, Minto Professor of Economics,

Education and Local Self-Government 1918-1923, President, Legislative Council 1923-1926, Member of the Royal Commission on Labour, President, Legislative Assembly (1931), resigned in 1933 *Address* Pedder Road, Cumballa Hill, Bombay

RAJA, TRIBHUVANDAS JAGJIVANDAS, M A, LL B, Dewan, Lunawada State *b* 6 Nov 1893 *m* Miss Tarahani R Khandedia, *Educ* Bahadurkhanji High School, Junagad Bahauddin College, Junagad, Wilson College, Bombay and Govt Law School, Bombay Lecturer in History in Wilson College, 1914-16, Naib Dewan and Sranyaya-yadhish, Wankaner State, 1917-1920, Deputy Revenue Commissioner, Junagadh State, 1920-21, Huzur Personal Assistant and Revenue Minister, Lumbdi State, 1921-1930, appointed Dewan, Lunawada State, 1930 *Address* Lunawada, via Godhra

RAJAN, THE HON MP P T, B A (Oxon), Barrister-at-Law, M L C, Minister of Public Works, Government of Madras *b* 1892 *Educ* Ley's School, Cambridge, Jesus College, Oxford, called to the Bar in 1917 (Inner Temple) Went to England in 1909 and returned to India in 1919 and commenced practice in Madras Is a member of the Uttamapalayam Mudaliar family Elected to the first, second and third Madras Legislative Councils by Madras (General Rural) constituency when on all the three occasions he topped the polls, fourth time he was elected to the Council unopposed, Member of S I L F, a commissioned officer of the Indian Territorial Force *Address* "Palayam House," Tallakulam, Madras

RAJWADE, MAJOR GENERAL, RAO RAJA GANPATRAO RAGHUNATH RAO RAJA MASHIR-I-KHAS BAHAUDUR SAUKAT-JUNG, C B D, A D C, Army Member, Gwalior Govt, and Inspector General, Gwalior Army, Member of the Council of Regency, ranks as First Class Sardar in the Bombay Presidency and in U P of Agra and Oudh *b* Jan 1884 *m* Dr Miss Nagubai Joshi, *d* of Sir Moropant Joshi of Nagpur *Educ* Victoria College *Address* Gwalior

RAMADAS PANTULU, THE HON V, B A, B L, Advocate, Madras *b* Oct 1873 *Educ* Madras Christian College Member, Council of State since 1925, Leader of the Swarajist Party in the Council of State since 1926, President, Madras Central Urban Bank, Ltd (Provincial Co operative Bank of Madras) President, Madras Provincial Co operative Institute, Member of Senate and Academic Council of Madras University, Chairman, Telugu Board of Studies and Member, Board, of Studies and Faculty of Law, President, Indian Provincial Co operative Banks Association since 1928, Member, Central Banking Inquiry Committee, Member of the Governing Body of the Imperial Council of Agricultural Research, Member, All-India Congress Committee and President, Madras Andhra District Congress Committee *Publications* Commentaries on the Madras Estate Land Act (Land Tenures) *Address* Farhatbagh, Milapore, Madras

RAMAIA, A, M A, Fellow of the Royal Economic Society (London) Advocate, Madras, Adviser, Madras-Ramnad Chamber of Commerce Director, Bureau of Economic Research *b* 1894 *m* Kamalabai *d* of S Krishna Iyer of Tiruvarur *Educ* Madras Christian College, and Madras Law College Gave evidence before the Indian Taxation Inquiry Committee (1924-25) and the Currency Commission (1925-26), Secretary, Madras District People's Association, 1925 to 1927 Frequently contributes to the British Press articles on Indian subjects especially economic and financial *Publications* "A National System of Taxation," "Monetary Reform in India," "Law of Sale of Goods in India" *Address* Lakshmi Vilasam, North Veli Street, Madras, S India

RAMAN, SIR CHANDRASHEKHARA VENKATA, KT M A, Hon Ph D (Griensburg), Hon LL D, (Glasgow) and (Bombay), Hon D Sc (Calcutta), (Benares), (Dacca), (Madras) and (Paris) F R S Awarded Nobel Prize for Physics (1930), Director, Indian Institute of Science, Bangalore *b* 7th November 1880 *m* Lokasundarammal *Educ* A V N College, Vizagapatnam and Presidency College, Madras Enrolled Officer, Indian Finance Dept 1907-17, Paht Prof, Calcutta Univ, 1917-33, Hon Secy, Indian Association for the Cultivation of Science, 1919-33, British Association Lecturer (Toronto), 1924, Research Associate, California Institute of Technology, 1924, President, Indian Science Congress, 1928, Matteucci Medallist, Rome, 1929, Hughes Medallist of the Royal Society (1930), Fellow of the Institute of Physics, Asiatic Society of Bengal Hon Mem Ind Math Soc, Indian Chemical Society, and Patna Med Assoc, Hon Fellow, Zurich Phys Soc and Royal Phil Soc, Glasgow *Publications* Experimental Investigations on Vibrations, Theory of Bowed Instruments, Molecular Diffraction of Light, Music Instruments, X-ray Studies, and numerous scientific papers in the Indian Journal of Physics which is conducted by him and in British and American journals, President, Indian Association for the cultivation of Science, 1933 *Address* Indian Institute of Science, Bangalore

RAMACHANDRA RAO, DEWAN BAHADUR M, B A, B L, Kaiser-i-Hind Gold Medal, Advocate, High Court *b* Sept 1868 *m* M Vidyamannar *Educ* at Presidency College, Madras Member, Madras Legislative Council, 1910-1923, Member, Legis Assembly, 1924-26 Member of the deputation of the All-India Moderates in 1919 and Member of the Lytton Committee on Indian Students, 1921, Member, Indian Sandhurst Committee, 1924, President, Prohibition League 1926, President, All-India States Subjects Confe, 1927, Member, Indian Round Table Conference, 1930 President, Madras Co operative Central Land Mortgage Bank, 1930 *Publications* Development of Indian Polity *Address* Elore Madras Presidency, and, 40, Edward Elst Road, Mylapore, Madras

PURSHOTAMDAS THAKURDAS Sir, Kt (1923), C I E (1919), M B E Cotton Merchant b 30th May 1879 *Educ* Elph Coll Bombay Member Indian Retrenchment Committee, Governor, Imperial Bank of India, Member, Royal Commission on Indian Currency and Finance (1926) Delegate to Round Table Conference (1930-33) *Address* 11, Ridge Road, Malabar Hill

PURVES, ROBERT EGERTON, C I E, P W D, retired b 1859 *Educ* Thomason Coll, Roorkee, Ex Eng, 1895, Supdt Eng, 1907, Ch Eng and Sec to Govt, Punjab Irrigation Branch, 1913-14, retired, 1914, since practising as Hydraulic Eng and Irrigation Expert *Address* c/o Messrs King Hamilton & Co, Calcutta

RADHAKRISHNAN, Sir S, Kt (1931), M A D Litt (Hon), Vice-Chancellor, Andhra University, Waltair King George V, Professor of Philosophy and President, Post Graduate Council in Arts, Calcutta University, Member of the International Committee on Intellectual Co operation b 5th Sept 1888 *Educ* at the Madras Christian College, For some time Professor of Philosophy, Presidency College, Madras, Mysore University, Upton Lecturer in Comparative Religion, Manchester College, Oxford Hibbert Lecturer, 1929-1930 *Publications* Philosophy of Rabindranath Tagore, The Reign of Religion in Contemporary Philosophy, Indian Philosophy in the Library of Philosophy, Philosophy of the Upanishads, The Hindu View of Life, The Religion we need, Kalki, or the Future of Encyclopaedia Britannica, "An Idealist View of Civilisation", "East and West in Religion", "An Idealist View of Life" article on Indian Philosophy in Encyclopaedia Britannica, and several others on Philosophy and Religion in Mind International Journal of Ethics, Hibbert Journal, etc *Address*, University Waltair

RAFIUDDIN AHMAD MAULVI, Sir, Kt (1932) Bar-at-Law, J P, *Educ* Deccan College Poona and University College, London, Was called to the Bar at the Middle Temple in 1892, Practised for some years at the Privy Council As a journalist was a regular contributor to the *Nineteenth Century*, *The Times*, and *The Pall Mall Gazette* holder of Queen Victoria Diamond Jubilee Medal First elected to Bombay Council 1909, appointed Minister, Bombay Government in June 1928, and reappointed Minister, Bombay Government in Nov 1930, resigned in 1932 *Address* Poona

RAHIM, THE HON SIR ABDUL, M A, (1919) K C S I (1924) b September, 1867 m Nisar Fatima Begum *Educ* Government High School, Madras, Presidency College, Calcutta Called to the Bar (Middle Temple), 1890, practised as Advocate Calcutta, Presidency Magistrate, Calcutta, 1900-03, Fellow, Madras University since 1908 Member of the R Commission on Public Services 1913-15 officiated as Chief Justice, Madras, July-October 1910, and July to

October 1919 *Publication* "Principles of of Mahomedan Jurisprudence" Member, Executive Council, Government of Bengal, 1920-25, Member, Bengal Legis Council, 1925-29, Leader of the Bengal Muslim Party, Minister on two occasions for short periods Member, Legis Assembly 1931, Leader of the Independent Party in the Assembly from 1931, now leader of the Opposition in the Assembly, Member of the Joint Parliamentary Committee in England *Address* 217, Lower Circular Road, Calcutta

RAHIMTOOLA, FAZAL IBRAHIM, B A, J P, Member, Indian Tariff Board, Merchant (Messrs Fazalbhai Ibrahim and Company, Limited) b 21st October 1895 m Jainabhai, d of Alimohamed Fazalbhoy *Educ* St Xavier's High School and College, Bombay Member, Bombay Municipal Corporation, 1919, Member, Schools Committee 1920, its Chairman in 1923 and again in 1926, Trustee, Bombay Port Trust since 1921, Member, Advisory Committee, Bombay Development Department 1922, Member, Advisory Committee, appointed to advise Government about Liquor shops in Bombay City, 1922, was appointed by Government of India on Bombay Securities Committee, Member of the Committee of the Indian Merchants' Chamber since 1921, Member of Executive Council of the Bombay Presidency Boy Scouts Association representative of the Corporation on B B & C I Railway Advisory Council, Secretary, Imperial Indian Citizenship Association, Member, Standing Finance Committee for Railways, Railway Board, Member, Hq Inquiry Committee, 1929, Chairman, Reception Committee of the Bombay Presidency Muslim Educational Conference, President, Bombay Presidency Urdu Teachers' Conference, Director, Sultanah Cotton Manufacturing Co, Director, Tata Construction Co, Ltd, represented Bombay Government on the Committee of Sir Harcourt Butler Technological Institute to advise Government of U P, Secretary and Promoter of All-India Muslim Conference, Secretary, All-India Minorities Conference, Member, Central Broadcasting Advisory Council, Director, Tata Iron & Steel Co, Ltd, Bombay Electric Supply & Tramways Co, Ltd, Automobile Acceptance Corporation, Member, Standing Committee for Haj and East India Association, London Member, Legislative Assembly 1926-1930 appointed Member of the Indian, Tariff Board, 1930 Appointed Ag President Indian Tariff Board, November 1932 *Address* Ismail Building, Hornby Road, Fort, Bombay

RAHIMTOOLA, SIR IBRAHIM, K C S I, C I L b May 1862 Joined his elder brother Mr Alimohamedbhoy Rahimtoola in 1880, entered Bombay Municipal Corporation in 1892, President of Corporation 1899, Member of the Bombay City Improvement Trust for 20 years from 1898, Member, Bombay Legislative Council 1899-1916, Member, Imperial Legislative Council 1912, President, Fiscal Commission 1921 Member of Bombay Executive Council in charge of

Member, Indian Colonies Committee on deputation at London with the Colonial Office, President, Telegraph Committee, 1921, Member, Frontier Committee, Chairman, Madras Publicity Board Represented India at the opening by H R H the Duke of York of the Federal Parliament at Canberra, Australia, 1927, Chairman, Indian Cinematograph Committee, 1928 Vice Chairman, Madras Bar Council, Chairman, Army Recruitment Committee, 1931 Publications Address A book on Village Panchayats Ratherdon House, Yepory, Madras

RANGANATHAM, ARJOT, B A, B L, Minister for Development, Madras b 29 June 1879 Educ Christian and Law Colleges, Madras Entered Government Service in 1901, resigned Deputy Collectorship in 1915, entered Legislative Council in 1920 for Bellary District, elected in 1923, 1926 and 1930 Went to England as a member of the National Convention Reputation in 1924 Minister for Development, Madras, December 1926 to March 1928 Hon Secretary, Young Men's Indian Association, Madras, from 1916, Hon Organising Secretary and Treasurer, Reconstruction League, 1928 Joint General Secretary, Theosophical Society, Indian Section, 1931 Publications Editor, Prajabandhu, Telugu Magazine devoted to the education of the Electorate Author of 'Indian Village—as it is' Address of 'Indian Society, Adjar, Madras, S Theosophical

RANGNEKAR, SAJRA SHANKAR, B A, LL B, Barrister-at-Law, Puisne Judge, Bombay High Court b 20th December 1878 Chief Presidency Magistrate, 1924, Acting Judge High Court, Bombay, 1923 1927 and again in 1928, confirmed April 1929 Address High Court, Bombay

RANGOON, BISHOP OF (See Tubbs, the Rt Rev Dr Norman Henry)

RANKIN, THE HON SIR GEORGE CLAUDE, KT (1925), Chief Justice, High Court, Calcutta b 12th, August 1877 m Alice Maud Amy Sayer Educ Trinity College, Cambridge Barrister (Lincoln's Inn) 1904 Northern Circuit R Garrison Artillery 1916-18 Address Bengal Club, Calcutta

RAO, VINAYAK GANPAT, B A (Bom), 1908, B A, LL B (Cantab), 1913, called to the Bar 1914 Professor of French at the Elphinstone College, Bombay b 24 September 1888 m Miss B R Kothare, d of Mr R N Kothare Solicitor Kothare, d of Elphinstone College, St John's College, Cambridge Grenoble University (France) Hon Professor of French at the Elphinstone College, 1914-1917 Hon Professor of French at the Wilson College, 1914-1917, 1921-1923 the Government Prof of Law at 1923-1924 (June), Asstt Law Reporter, India Law Reports, Bombay Series for some time, joined the Educational Service, Prof

of French at the Elphinstone College from June 1924 Justice of Peace 1927, Nominated member of the Bombay Corporation, Chairman of the Schools' Committee, Bombay Municipality, District Commissioner, Municipal Boy Scouts Association, Fellow of the Bombay University, Second Lieutenant in the University Training Corps Address 347, Kalbadevi Road, Bombay (2)

RAU, RAGHAI N DRA, M A (Madras Univ), Financial Commissioner of Railways, b 24 May, 1889 m Sitabhimani Rau Educ Kundapur High School, Mangalore Govt College and Madras Christian College Intended the Indian Audit and Accounts Service in 1912 as the result of a competitive examination After serving in various examination offices, entered the Government of India Secretariat Finance Department in 1921 After 5 years during which he was Under Secretary and Deputy Secretary in that Department and was attached to the Lee Commission as in Assistant Secretary on the financial side, joined the Railway Department in 1926 Became Director of Finance in 1928, and officiated as Financial Commissioner of Railways for the first time in 1929 and was appointed substantively to that post in 1932 Address Railway Board, Government of India, Delhi and Simla

RÂY, SIR PROFULLA CHANDRA, KT, C I E., D Sc, (Edin), Ph D (Cal), Palit Prof of Chemistry, Univ Coll of Sc, Calcutta b Bengal, 1861 Educ Calcutta, Edinburgh Univ Graduated at Edinburgh, D Sc 1887, Hon Ph D, Calcutta Univ 1908, Hon D Sc, Durham Univ, 1912 President, National Council of Education Indian Chemical Society, Founder and Director, Bengal Chemical and Pharmaceutical Works, Ltd Address College of Science, Calcutta

READYMONEY, SIR JEHANGIR COWASJI JEHANGIR, see JEHANGIR

REDDI, SIR VENKATA KURMA (See under VENKATA KURMA REDDI)

REED, SIR STANLEY, KT, K B E, LL D, (Glasgow) Editor, *The Times of India*, Bombay, 1907-1923 b Bristol, 1872 m 1901, Lillian, d of John Humphrey of Bombay Joined staff, *Times of India*, 1897, Sp Correspondt, *Times of India* and *Daily Chronicle* through examine districts of India 1900, tour of Prince and Princess of Wales in India, 1905 06, Amirs visit to India, 1907, and Persian Gulf, 1907, Jt Hon Sec, Bombay Pres, King Edward and Lord Hardinge Memorials, Ex Lt-Col Commdg Bombay L H Represented Western India at Imp Press 'Confer', 1909 Address *The Times of India*, Salisbury Square House, Fleet Street, London, E C 4

REID, COLONEL CATTWRIGHT C B (June 1917), M Inst C E Engineer in Chief, Vizagapatam Harbour b 7 Nov, 1864 m Julia, only d of late Henry Miller Educ Kirkby Lons-

RAMAKRISHNA REDDI, THAMBALLAPALLE
NALLAPA REDDI, B A, B L, M L A, Vakil
b Aug 1890 m Syamalamma Educ
Christian College, Madras, and Law College,
Madras Vice-President, Taluka Board,
Chittoor, Member, District Board, Municipal
Board, Chittoor, Hon Asstt Registrar of
Co operative Societies, Chittoor, Secretary,
Dist Co operative Federation, Chittoor,
President, Temple Committee Chittoor,
President, Taluka Board, Madanapalle,
Member Legislative Assembly, since 1930
Secretary, Democratic party, Leg Assembly
Address Madanapalle, Madras Presidency

RAMASWAMI AIYAR, SIR CHITPAT P
K C I E (1925), B A, B L, C I E
(1923), Member, Government of India, for
Commerce and Railways b 12 Nov 1879
m Sitalakshmi, d of C V Sundram Sastri
and Sister of Justice Kumaraswami Sastri
Educ Wesley College, Presidency College and
Law College, Madras English and Sanskrit
University Prizeman Enrolled as Vakil,
1903 and as Advocate, 1923 For many
years member of the Madras Corporation and
Standing Committee, Fellow and Syndic of
Madras University, Trustee of various
educational institutions Secretary to Congress,
1917-18, connected with the National Con-
gress until 1918 Gave evidence before Joint
Parliamentary Committee on Reforms, 1919,
also before Meston and Southborough Com-
mittees Member of Committee to draft
Regulations for Madras under the Reform Act
Represented Madras Presidency at War
Conference, Delhi Returned to Legislative
Council by University of Madras, 1918, and by
City of Madras 1920 Advocate-General,
1920-1923 Member, Executive Council, 1923
Delivered the Convocation Address, Univer-
sity of Madras, 1924, Senior Member and
Vice-President, Executive Council, April 1925
Represented India at the League of Nations
Assembly at Geneva as a substitute delegate
in 1926 and as delegate in 1927 Resumed
practice at the Bar, March 1928 Appeared
before the Butler Committee on behalf of
some of the Indian States, April 1928, deli-
vered the Shri Krishna Rajendra Jubilee
Lecture to the Mysore University, July 1928
Appeared in the Patiala Enquiry for H H the
Maharaja of Patiala along with Sir Tej
Bahadur Sapru, Elected to the Legislative
Assembly by the Tanjore-Trichinopoly
Constituency, 1929 Elected to the Council
of State from Madras Presidency, 1930,
Delegate to the Indian Round Table Confe-
rence and Member of the Federal Structure
Committee, 1930 Law Member, Governor-
General's Executive Council, 1931, Legal
and Constitutional Adviser to H H The
Maharaja of Travancore, Delivered the Delhi
University convocation address, 1931, Tagore
Law Lecturer, Cal University, 1932 Member of
the Consultative Committee of the Round
Table Conference, 1932, Member of
Government of India for Commerce and
Railways, 1932 Chairman of Committee
appointed by the Chamber of Princes to
consider the White Paper, 1933, Member of
the Joint Select Committee of Parliament,
1933, Delegate to the World Economic
Conference 1933 Publications Various

pamphlets and articles on Financial and
Literary topics Address The Grove
Cathedral, Madras, and DeLisle, Ootaca-
mund

RAMESAM, SIR THE HON MR JUSTICE VFFA,
B A, B L, Judge, High Court, Madras b
27 July 1875 m Lakshminarasamma Educ
Hindu Coll, Vizagapatam Presidency Coll,
Madras, and Law Coll, Madras Practised
as High Court Vakil at Vizagapatam from
1896 to 1900 at Madras 1900-1920, Govt
Pleader 1916-20 appointed Judge, 1920
Address Gopal Vihar, Mysapore, Madras

RAMPUR, LIEUT HIS HIGHNESS ALLAH
FARZAN-D-I DILPIZIR-I DAULAT-I-INGLISHIA,
MUKHLIS-UD DAULAH, NASIR-UL-MULK,
AMIR-UL-UMRA, NAWAB SAYYID MOHAMMAD
RAZA ALI KHAN BAHADUR, MUSTAID JUNG
b 17th Nov 1906 Succeeded 20th June
1930 State has area of 892 54 square miles
and population 464,919 Permanent Salute
15 Guns Address Rampur State, U P

RAMUNNI MENON, SIR KONKOTH, of Konkoth
House, Trichur, Cochin, State South India,
Kt, cr 1933, Diwan Bahadur, 1927, M A
(Cantab), Vice Chancellor, University of
Madras, b Trichur, 14 September 1872,
m V K Kalliani Amma, of Trichur, two s
and one d Educ Maharajah's College,
Ernakulam, Presidency College, Madras,
Christ's College (scholar), Cambridge Inter-
ed the Madras Educ Department 1898,
Prof of Zoology 1910, retired 1927 Con-
nected with the Madras University since
1912, nominated to the Madras Legislative
Council on two occasions, represented the
Madras University at the Congress of the
Universities of the Empire at Edinburgh
1931, Chairman, Inter-University Board
1932-33, Vice-Chancellor, Madras University,
since 1928 Address Vepery, Madras

RANCHHODLAL SIR CHINUBHAI MADHOW-
LAL, Second Baronet, cr 1913 b 18
April 1906 s of 1st Baronet and
Sulochana, d of Chunilal Khushaldas
father, 1916 m 30th November 1924
with Tanumati, d of Javerlal Bulakhiram
Mehta of Ahmedabad (father was first
member of Hindu community to receive a
Baronetcy) Heir Son, Udayan, b 25 July
1929 Address "Shant kunj," Shahibag,
Ahmedabad

RANGACHARIAR, DEWAN BAHADUR TIRUVEN-
KATA, B A, B L, C I E (1925), M L A since
1920 Vakil, High Court, Madras b 1865 m
Ponnammal, d of S Rajagopala Aiyangar of
Srirangam Educ S P G College, Tri-
chinopoly, Law College, Madras School
master for 3 years, enrolled as Vakil,
High Court, Madras, 1891, Professor, Law
Coll, 1898-1900, Member, Madras Corpn, since
1908, Member, Madras Legis Council, 1916-
1919, Member, Indian Bar Committee, Mer-
cantile Marine Committee, Escher Committee,
Elected Dist President, Leg Assembly

RIVINGTON, REV CROIX STANSFELD
Kaiser-i-Hind Gold Medal (1918), Mission
Priest in Diocese of Bombay; Hon Canon of
St Thomas' Cathedral, Bombay. b London,
1853 Educ Rugby, Solicitors Examina-
tion, London Cuddesdon College Priest,
1878 Publications Commentaries on the
Psalms, St Luke and St John, a Manual
of Theology, Meditations on the Gospel of S
Mark (all in Marathi) Address Betgeri
Gadag, Dharwar District, Bombay

RIZVI, THE HON SIRD WAKIL AHMAD B A,
LL B, President, C P Legislative Council,
b Nov 1885 Educ Government College
Tubulpore, M C C Allahabad and Morris
College Nagpur, Started practice at Raipur
is a High Court Pleader and rose to the top
a staunch advocate of Hindu Muslim unity
a nationalist in politics entered Legis-
Council 1927, elected President Legis-
Council 1931 Address Raipur, C P

ROBERTSON, MAJOR GENERAL DONALD
ELPHINSTON, CB DSO ADC Director
of Personal Services Army Headquarters,
b 22nd Dec 1879 m Lychnic Catharine, d
of Sir John Miller Educ Radley and
Sindhurst Joined Probans Horse in 1900
Chief Instructor Cavalry School, 1921,
A A G Northern Command 1924,
Commander, Munsiri Brigade 1928
Personal Services 1932 Address Director,
Service Club, Simla United

ROERICH, PROFESSOR, NICHOLAS, K
Commander, Order of Imperial Russians of
St Stanislas St Anne and St Vladimir,
Commander First Class of Swedish Order of
the Northern Star, French Legion of Honour
Yugoslavian St Sava I Cl Grand Cross, Hon
President, Roerich Museum, New York, Hon
President, Union Internationale Pour le Pacte
Roerich Bruges, Hon President Permanent
Peace Bauner Committee New York (First
World Conference of Roerich Pact Union held
Bruges, Sept 1931 Second Conference
Bruges, Aug 1932, Third International Peace
Bruner Convention, Washington, Nov 1933)
Hon Member of Yugoslavian Academy of Art
and Science, Vice President, of Archaeological
Institute of America Member of Academy of
Rheims, Societure of Salon d'Automne Paris
Hon Protector and President of 71 Roerich
Societies in the world b St Petersburg, 10th
Oct 1874, s of Konstantin Roerich and Marie
V Kalishnikoff m 1901, Helena Ivanovna
Shaposhnikov, St Petersburg, two sons
Educ School of Law, University of St
Petersburg, Studied drawing and painting
under Mikhail O Mikeshine, also under
burg and under Cormon and Puvys de
Chavannes in Paris Professor of Imperial
Archaeological Institute, St Petersburg, and
Assistant Editor of Art, 1898 1900, Director
of School of Encouragement of Fine Arts in
Russia, and President Museum of Russian
Art, 1906 1916, Archaeological excavations
of Kremlin of Novgorod, exhibition and
lecture tours in Sweden, Finland, Denmark
and England, 1916 1919, came to United
States, 1920, headed five Venus Art expedition

in Central Asia making 700 paintings and
collecting data on Asiatic Culture and philoso-
phy, 1923 1928, Roerich Museum established
in his honour in New York City, 1923, now
containing over 1 000 of his paintings nine (9)
sections of Roerich Museum established in
Paris, Belgrad, Riga, Buenos Aires, 2,000
Zagreb, Allahabad and Bruges, Naggar
hundreds of his paintings are in the Louvre Luxem-
bourg, Victoria Albert Museum, Stockholm
Helsinki, Chicago Art Institute, Detroit
Museum, Kansas City Museum, Omaha
Museum, Irtutikov Gallery Moscow, Tripoli
Museum, Buenos Aires National Museum,
Vatican etc, President, Founder of Urusvat
Himalayan Research Institute, Naggar,
Punjab, India excavated prehistoric burial
productions, French India, 1930 Theatrical
Garden, Dzhuleff Ballet (Sacre de Printemps with
Composers Ieugue (Chicago Opera,
Stravinski) Publications Complete works
1914, Adumant 1924 (also in Russian and
Japanese) The Messenger 1925 (Adyar-Madras)
Paths of Ble-ing 1925, Himalaya 1926, Toys
of Sikkim, 1928, Altai Himalaya 1929,
Heart of Asia 1930 (also in Russian
and Spanish) Ilium in Chalice 1930,
Shumbhala 1930 Realm of Light 1931,
Jury Stronghold (1933) Monographs on
Roerich by Rostislavov Gldori, Serge
Mikovsky, (Iolson d Or), Jubilee Monograph
1916 Alex Benois, Baltrushaitis Remi-off,
Himalayan Monograph, Corona Mundi Mono-
graph, Arus et Bein, New York Monograph
1932 Life Member of Bengal Asiatic Society,
Life Member of Indian Society of Oriental
Art Hon Member Mahi Bodhi Society,
Calcutta, Hon Member Bose Institute,
Calcutta Paintings in India in Bharat Kala
Bhawan-Benares, Allahabad Museum, Bose
Institute Advai Museum Madras Tagore-
Shantimuketm, Urusvati Institute-Naggar,
etc Address 310 Riverside Drive New
York and Naggar, Kulu, Punjab

ROHHERA, SIR PEROX, Kt, M Inst C E
MICE (India), OBE (Military Division)
and mentioned in despatches (1918), Agent,
South Indian Railway b 9th February
1877 m Miss L S Legrice Educ Rugby
School Served articles with the late Mr Ed
Parry, C E, on extension of Great Central
Railway to London Joined South Indian
Railway, 1898 Publications Awarded
Telford and Indian Premier by Institute of
Civil Engineers 1912 for paper on Erection of
Girders for large span bridges
Trichinopoly, S India Address

ROUSE, SIR ALEXANDER MACDONALD, Kt 1930,
CIE, FCH, Chief Engineer, Delhi b 14 Sep
1878 m Jean Lois Jameson, March 1912,
two s Educ St Pauls Sch, R I E C,
Cooper's Hill Address Delhi

ROW, DIWAN BAGADUR RAGHUNATHA ROW
RAMACHANDRA, CSI, b 27 September
1871 Educ Trivandrum and Presidency
College, Madras Statutory Civil Service,
1890 92, transferred to Provincial
Service, Collector, Registrar, Co op Credit
Societies, Secretary to Govt of Madras
Collector of Madras Address Madras,

dale G. J. Kumar. School Articled to Thomas Reid, E. Wakefield and Normanton Entered Admiralty Service (1888) as Asstt Civil Engineer, served at Pembroke, Halifax, Esquimaux and Chatham, was Superintending Civil Engineer, Malta, Chatkham and Rosyth and Deputy Civil Engineer-in-Chief Admiralty Lt-Col Royal Marines for reconstruction of Belgian Ports, Acted as a Consultant to Calcutta Port Trust in connection with proposed King George's Dock Scheme and Basra Port re Shatt-el-Arab Loaned by Admiralty (1921) for construction of Vizagapatam Harbour Address Vizagapatam Harbour, Vizagapatam.

REID, ROBERT NEIL, M.A. (Oxon), C.I.E. 1930, Kaisar-i-Hind Gold Medal, 1924 Chief Secretary to the Government of Bengal, b 15 July 1883 m Amy Helen Disney, 1909 Ed c Mulvern and Bisenose Coll, Oxford I.C.S. 1906, arrived in India 1907, Asst Magte, Bengal, Under-Secretary, 1911-14 I.A.R.O., 1916-18, Magte and Collector 1920-27, Secretary, Agriculture and Industries Department, 1927-28, Commissioner, Rajshahi Division 1930, Offg Chief Secretary, 1930-31 Member of Executive Council, Bengal (Offg), 1932 Address Writers Buildings, Calcutta, The Warren, Thorpeness, Suffolk

REILLY, LIEUT. COLONEL BERNARD BAWDON, C.I.E. (1926), O.B.E. (1918) Chief Commissioner, Resident and Commander-in-Chief, Aden b 25th March 1882 Educ Bedford School Joined Indian Army, 1902, entered Indian Political Department, 1908, served in India and Aden in various appointments Officiated as Political Resident, Aden, 1925 and 1926, and as Resident and Commander-in-Chief, Aden, in 1930 and 1931 Appointed as Resident and Commander-in-Chief in March 1931, and as Chief Commissioner, Aden, in April 1932 Appointed as His Majesty's Commissioner and Plenipotentiary to His Majesty the Imam of the Yemen in December 1933 and concluded a treaty with the Yemen in February 1934 Address The Residency, Aden

REILLY, HENRY D'ARCY CORNELIUS, Judge of the Madras High Court b 15th January 1876 m to Margaret Florence Wilkinson (1903) Educ Merchant Tailors' School and Corpus Christi College, Oxford Indian Civil Service (Madras), arrived November 1899, Registrar of the High Court, 1910-1913, District and Sessions Judge 1916 Address Madras Club, Madras

REMEDIOS, MONSIGNOR JAMES DOS, B.A., J.P. (Oct 1918), Dean, Vicariate of Bombay, (1929), Chaplain, St. Teresa's Chapel and Principal, St. Teresa's High School, since 1904 b 9th August 1875 Educ at St. Xavier's College and at the Papal Seminary, Kandy, Ceylon Address St. Teresa's Chapel, Girgaum, Bombay

RESHIMWALT, KFSHAVARAO GOVIND B.A. (Allahabad) b April 1879 Educ St. Xavier's High School, Bombay and Muir Central College,

Allahabad Revenue Training in Central Provinces, worked in Settlement Department as Assistant Settlement Officer in 1907-08, then as Inspecting Settlement Officer in 1910, then in Revenue Department as Amin (Tehsildar), Subhar (Collector), Director, Land Records, then as Settlement Officer Was awarded the title of Musahib-i-Khas Bahadur at the Birthday Durbar of H. H. The Maharaja Yeshwant Rao Holkar II, in 1930 Revenue Minister, Holkar State, Retired, January 1933 Address Nandlalpur Indore City

RICHMOND ROBERT DANIEL, C.I.E. (June 1932), Chief Conservator of Forests, Madras b 29 Oct 1878 m Monica, only d of Sir James Druy, K.C.B. Educ Royal Indian Engineering College, Coopers Hill Joined Indian Forest Service, Nov 1901 served in various capacities including Principal, Madras Forest College, Asst Inspector-General of Forests to Government of India, 1919-1922, Conservator of Forests 1923, Chief Conservator of Forests, 1927 Retired 1932 appointed Member, Madras Services Commission Address Madras Club, Madras

RIDLAND JOHN GAIBRAITH, Secretary and Treasurer, Imperial Bank of India, Bombay b 22 Aug 1884 m Margaret Bland Murray Educ George Watson's College, Edinburgh, Five years with Union Bank of Scotland, Edinburgh, joined Bank of Bombay 1906 appointed Secretary and Treasurer, Imperial Bank of India, Bombay, 1926 Address "Dunedin," Malabar Hill, Bombay

RIVETT-CARNAC, HERBERT GORDON, British Trade Agent, Gyantse, Tibet b 13 Feb 1892 3rd son of John Thurlow Rivett Carnac, retired D.I.G. of Police m June 1925, Cushta, ed of Lt-Colonel R. S. Pottinger Educ Bradfield Col (Berks) and R. M. C. Entered Army, 1911 Served during War on General Staff in Mesopotamia and as Asst Political Officer, Amara, Foreign and Political Department, December 1923, Assistant Resident, Kolhapur, Assistant to A. G. G. Madras States Agency, November 1927, is Major, Indian Army, and British Trade Agent, Tibet and Assistant Political Officer, Sikkim Thereafter A. P. A. Southern States of Central India and Alwar, Maunpu, Under-Secretary to the Resident at Hyderabad Address Hyderabad Residency, Hyderabad, Deccan

RIVETT-CARNAC JOHN THURLOW, retired Dy. Insp. General of Police, Eastern Bengal and Assam, 2nd s of late Charles Forbes Rivett Carnac, Bengal Civil Service, and gr s. of Sir James Rivett-Carnac, Bart, Governor of Bombay, 1838-41 b 1856 m 1887, Edith Emily, d of late H. H. Brownlow and has four sons and one daughter Entered Indian Police, 1877, retired 1911, served in Burma campaign 1886-7 (medal), and in Chin Lushai expedition, 1889-90 (clasp) Address Shillong, Assam

ROWLANDS, WILLIAM SHAW, B A (Oxon), Hon Mod and Lit Hum, Principal, Robertson College, Jubbulpore *b* Mar 1, 1888 *m* Gladys Irene Scotland *Educ* Beaumaris Llandoverly College and CCC Oxon, Professor of Philosophy, Robertson College, 1912-1926, Head of the Department of Philosophy, Nagpur University, since 1924, 2nd Lieut, I A R O, attached to 1st Vith Tst Light Infantry, 1918-1919 *Publications* A Guide to General English (with N R Naylekar), Commentaries on Newman's "Idea of a University" and Walker's "Selected Short Stories" *Address* Robertson College, Jubbulpore

ROWLANDSON, EDMUND JAMES, C I E (1932), Commissioner of Police, Madras *b* 27 Oct 1882 *m* to Kite Millicent Iister Crookenden *d* of Lt-Col Crookenden, R A *Educ* King's School, Bruton, Somerset *Asst* Supdt of Police, Guntur and Ganjam Districts, Dist Superintendent, Malabar, Principal, Police Training School, Vellore, Dist Supdt, Chingleput, Asst Inspector-General, Madras, Offg Dy Inspector-General, Coimbatore and Offg Dy Inspector General, Waltham, Commissioner of Police, Madras 1930 *Address* Madras

ROY, Rt Rev AUGUSTIN, Bishop of Colmbatore 1904-1931. *b* France, 1863 *Address* Catholic Cathedral Colmbatore

ROY, SIR GANENDRA PRASAD, Kt (1926), Member of the Institute of Electrical Engineers *b* 6 Feb 1872 *m* Merthas Goodeve Chuckerbutty *Educ* Cooper's Hill Appointed Assistant Superintendent of Telegraphs on 1st Oct 1894, Superintendent of Telegraphs on 4th Nov 1907, Director of Telegraphs on 1st Oct 1916 and Postmaster-General, Bengal and Assam, on 1st Feb 1920, was Postmaster General, Burma, from 14th Dec 1921 to 13th April 1922 Postmaster-General, Bengal and Assam, from 1st December 1922 to 25th April 1923, Dy Chief Engineer, Telegraphs, from 24th Dec 1923 to 29th Feb 1924 Ch Engineer, Telegraphs from 1st March 1924 to 7th Aug 1925, Director-General of Posts and Telegraphs, 1925-27 *Address* Simla

ROY, RAI BAHADUR SUKHRAT, Zaminder and Banker, Member of Legislative Assembly *b* 28 Sept 1878 *Educ* Bhagalpur Had been Municipal Commissioner for 15 years of Bhagalpur Municipality, an Hon Magistrate for about 30 years, Member, Legis Council, Bihar and Orissa, a member of Council of State and at present member of the Legislative Assembly, served as member, Advisory Board of E I Railway, Calcutta. Donated Rs 30,000 to Bhagalpur Municipality and Rs 25,000 to the Patna University *Address* Roynibas, Bhagalpur (Bihar and Orissa)

ROY, SURENDRA NATH, SASTRA VACHASPATI, B A, B L (Calcutta Univ), Vakill, High Court, Calcutta, and Landholder *b* April 1862 *Educ* St Xavier's College, Hindu School and Presidency College, Calcutta

Enrolled as Vakill of the High Court, 1883, enrolled Advocate, 1924, elected Vice Chairman of the Garden Reach Municipality (first Mill Municipality in Bengal) in 1897, has been elected Chairman, South Suburban Municipality since 1900, Commissioner, Calcutta Corporation, from 1895-1900, Member Dist Board of 24 Parganas from 1916-1922, elected Member Bengal Legis Council in January 1913 and elected to Council at subsequent elections, elected by the Members of the Bengal Legis Council as President of High Prices Committee, elected first Deputy President of the Reformed Council in Feb 1921, acted as Presidt from May 1921 to Nov 1922, introduced the Bengal Primary Education Bill in the Bengal Legis Council and got it passed in the Council in 1919, elected Member of Bengal Legislative Council from 1913-1929, was first member of Sanitary Board, Bengal, for nine years, was elected representative of the Bengal Legislative Council to the Indian Institute of Science, nominated by Bengal Government to the High Court Retrenchment Committee presided over by Sir Alexander Muddiman served as Deputy President, Bengal Legislative Council, is Secretary of Bengal Landholders' Association, member of the Indian Association, was Chairman of the All-Bengal Ministerial Officers' Conference held at Burdwan *Publications* (1) "A History of the Native States of India", a Local Self-Government in Bengal, Financial Condition of Bengal, "Suggestions for the solution of the present Economic problem," etc *Address* Behala, Calcutta

RUSHBROOK-WILLIAMS, LAURENCE FREDERIC, M A, B Litt (Oxon), 1920, O B E, 1920 C B E (1923), formerly Foreign Member, Patiala Cabinet, Joint Director of Indian Princes Special Organisation *b* 10 July 1891 *m* 1923, *Fred* *d* of Frederick Chance two *s* one *d* *Educ* University College, Oxford, Private study in Paris, Venice, Rome, Lecturer at Trinity College, Oxford, 1912, travelled Canada and U S A 1913 Fellow of All Souls, 1912, attached General Staff, Army Headquarters, India, 1916 Professor of Modern Indian History, Allahabad University, 1915-1919 on special dnty wth the Government of India, 1918-1921 in India, England and America, Official Historian of the Indian Tour of H R H the Prince of Wales, 1921-22 Secretary to the Indian Delegation at the Imperial Conference, 1923 Director of Public Information, Government of India, to end of 1925 Political Secretary to Representative of the Indian Princes at the League of Nations 1925 and Substitute Delegate to the Assembly Adviser to Indian States Delegation, Round Table Conference *Publications* History of the Abbey of S Albans, Four Lectures on the Handling of Historical Material, Students Supplement to the *Annals of Bihar* A Sixteenth Century Empire Builder India under Company and Crown India in 1917-18, India in 1919 India in 1920 India in 1921 22 India in 1922-23, 23 24, 1924 25, General Editor, "India of Today" and India's Parliament, Volumes 1, 2, 3, seq *Address* The Old House, Westcott Surrey

Endowments Act, and other enactments of the legislature. *Address* Zamindar of Navanagar, Vannarpet, Imuvellu

SAPRU, SIR TEJ BAHADUR, M A, I I D, K C S I (1923) *b* 8 Dec 1875 *Educ* Agra College, Agra Advocate, High Court, Allahabad, 1896-1926, Member, U P Leg Council, 1913-16, Member, Imperial Leg Council, 1916-20, Member, Lord Southborough's Functions Committee, 1918-1919, Member of Moderate Deputation and appeared as a witness before Lord Selborne's Committee in London, 1919, Member, All India Congress Committee (1906-1917), Presdt, U P Political Confee, 1914, Presdt, U P Social Confee (1913), Presdt, U P Liberal League, 1918-20, Fellow, Allahabad Univ, 1910-1920, Member, Benares Hindu University Court and Senate and Syndicate, Law Member of the Governor-General's Executive Council retired (1922) Member of the Imperial Conference in London (1923) presided over the All India Liberal Federation, Poona (1923), Member of the Reforms Inquiry Committee, 1924 *Publications* has contributed frequently to the press on political, social and legal topics edited the *Allahabad Law Journal*, 1904-1917 *Address* 19, Albert Road, Allahabad

SARDAR GHOU BAKSH KHAN RAISANI **SIR, K C I E**, premier Chief of Sarawak Balcuchistan.

SARKAR, SIR, JADUNATH, Kt, C I E, M L C (Bengal, 1929-32), M A, (English Gold Medal), Premchand Roychand Scholar (Mount Gold Medal) Hon Member of Royal Asiatic Society of Great Britain (1923), Member of the Indian Hist Record Comm, Sir James Campbell Gold Medalist (Born Br R A S) Vice Chancellor, Calcutta University 1926-28, Indian Educational Service (ret) *b* 10 December 1870 *m* Kadambini Chaudhuri *Educ* Presidency Coll, Calcutta Some time Univ Professor of Modern Indian History, Hindu University of Benares (1917-19) Sir W Meyer Lecturer, Madras University (1928) Reader in Indian History, Patna University (1920-1922 and 1932) *Publications* India of Aurangzeb Statistics, Topography and Roads (1901), History of Aurangzeb, 5 Vols, Shrivaji and His Times Mughal Administration, Studies in Mughal India, Anecdotes of Aurangzeb, Chaitanya His Life and Teachings, Economics of British India, India Through the Ages, Fall of the Mughal Empire, Edited and continued W Irvine's *Later Mughals* 2 Vols *Address* Auckland Road, Darjeeling

SARMA, S K, B A, B L, **Vakil** *b* 4 April 1880 *Educ* S P G College, Trichinopoly Founded the *Wednesday Review* in 1905 and Asstt Editor till 1917 Asstt Editor and leader writer *Indu Prakash*, Bombay, 1906-07, Leader-writer to the *Madras Standard* in 1911-12, Witness, Royal Commission on Indian Currency and Finance (1919) and Indian Taxation Inquiry Committee (1924), and Special Public Prosecutor to the Pudu Kotah Darbar

in charge of the Conspiracy case of 1931 and 1932 *Publications* "Monetary Problems," "A Note on the Rise of Prices in India," "The Exchange Crisis" and "Towards Swaraj" *Address* Teppakulam, P O Trichinopoly

SARVADHIKARY SH DVA PRASAD Kt, C I L C B L, M A B L (Calcutta) **J I D** (Aberdeen), **J I D** (St Andrews), Suriratna (Navadwip), Vidharatnakar (Dacca), Vidya Sudhakar (Bhattachall), Bangaratna (Benares), Tinn Sindhu (Puri) Advocate and Solicitor Fellow, Calcutta University, Penares Dacca and Delhi Universities, Dean, Faculty of Law and late Vice Chan and Dean, Faculty of Arts, Calcutta Univ, late Mem of Council of State, late member of Indian Legislative Assembly, and Bengal Council *b* 1862 *m* 1883 Nagendranandini 2 s Nirmal (B L) and Nilhel (M B) and 3 d Nilini, Nihar and Niraja *Educ* Ramsheshwar-pore, Sankrit College, Hare and Howrah Schools Presidency College, Calcutta For several years Mem of Mun Corp of Calcutta, Mem of Imp Lib Vice President, Calcutta Rotary Club, W M Lodge Anchor, and Hope Trustee, Imp Museum, Pres, various literary, social and philanthropic societies and President Calcutta Licensing Board, Calcutta Temperance Federation, Anti Smoling Society "The Refuge", Calcutta, University Corps Committee Incorporated Society of I w, Vice President, Indian Association and National Council of Education, Sahitya Parishad Asiatic Society, and President, Calcutta University Institute, late Mem Lytton Com (Lond) and Paddison Com South Africa Representative of India Government on the League of Nations, Geneva Has travelled much all over India, Europe and South Africa, Twice represented Calcutta Univ at the Congress of the Univ of the Empire, held in England, *Publications* "Notes and Extracts," "Three Months in Europe," "Prabash Patra," Travels in South Africa, Smriti Rekha. *Address* Prasadpur, 20, Suri Lane, Calcutta Clubs, Calcutta and National Liberal India

SASTRI, THI RT HON V S SRINIVASA, P C 1921 C H (1930) *b* Sept 22 1869 *Educ* at Kumbhakonam Started life as a School master, joined the Servants of India Society in 1907, succeeded the late Mr G K Gokhale in its Presidentship in 1915 Member, Madras Legislative Council 1915-16, elected from Madras Presidency to Imperial Legis Council, 1916-20 Closely associated with Mr Montagu during his tour in India in 1918, Member, Southborough Committee, gave evidence before Joint Parliamentary Committee on Indian Reform Bill 1919, served on Indian Railway Committee, represented India at Imperial Confee, 1921, and at the meeting of the League of Nations at Geneva and the Washington Confee on the reduction of naval armement during the same year Appointed Privy Councillor and received the freedom of the City of London, 1921 undertook a tour in the Dominions as the re

Sugar Works Ltd, Bihar *Publications* On the Fundamental Law of Electric Action deduced from the Theory of Relativity, 1918, On Measurement of the Pressure of Radiation, 1918, Selective Radiation Pressure, 1918, Theory of Thermal Ionisation and Physical Theory of Thermal Spectra, 1921-22, Explanation of Complex Spectra of Compounds, 1927, New X-rays 1932, Author of a pamphlet "On the Need of a Hydraulic Research Laboratory in Bengal" and numerous Scientific papers, English, Continental and American Author of a treatise on the Theory of Relativity, two text books on Heat *Address* Physics Laboratories, Allahabad University, Allahabad

SAILANA, HIS HIGHNESS RAYA SAHIB BHARAT DHARMA NIDHI DILEEP SINGH BAHADUR of b 18 March 1891 Succeeded the Gadi, 14 July 1919 *m* first to the d of H H the Maharajit of Patnagarh and after her death to the d of the Rawat of Meja in Udaipur *Educ* Mayo College Aimer Silate 11 guns General Secretary, All-India Kshatriya Mahasabha, President of Bharat Dharma Mahamandal, Benares and the Kurukshetra Restoration Society *Address* Sailana, C I

SAIYID ABDUR RAHMAN, KHAN BAHADUR, M L C, Retired Dy Commissioner, Akola (Berar), b 1864 *Educ* St Francis de Sale's, Nagpur Supdt, Commissioners Office, Hoshangabad, Extra Asstt Commissioner, Dy Commissioner, Akola (Berar), 1919-1921, Dy Commissioner, Yeotmal, Per Asstt to Commissioner of Berar in C P Commission, Official Receiver, Berar, President of many Municipalities and District Boards, Berar Mahomedan representative in C P Council *Address* Akola

SAIYID MUHAMMAD HUSSAIN, KHAN BAHADUR, B A, B L, Minister of Education Bihar and Orissa b 1873 *Educ* Patna College and B N College Began as a pleader in Bihar Sariff in 1896 and became a Vakil of the Calcutta High Court and joined the District Bar Patna in 1908 in 1924 appointed Government Pleader at Patna, in 1925 became Advocate of Patna High Court and has been Member of Bihar and Orissa Legislative Council since 1921, had been Municipal Commissioner of the Patna City Municipality from 1912-23 and Member of the Board of Secondary Education for several years Member of Patna District Board and President, Madrasa Examination Board Was co-opted a member of the Civil Justice Committee *Address* Patna

SAKLATVALA, SIP NOWROJI BAPUJI, Kt (1933), C I E (1923), J P, Chairman, Tata Sons, Ltd b 10 Sept 1875, *m* Goolbai, d of Mr Hormasji S Bathivala *Educ* at St Xavier's College. Chairman Bombay Millowners' Association 1926, Employers' Delegate from India to the International Labour Conference, Geneva, 1921, Member, Legislative Assembly, representing Bombay

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SAKLATVALA, SORABJI DORABJI, B A, J P, Director, Tata Sons Ltd b March 1879, *m* Meherbai d of late Major Divecha, I M S, *Educ* at St Xavier's College Chairman, Bombay Millowners' Association, 1924 Vice-President Indian Central Cotton Committee 1929-30 and 1930-31, Member, Advisory Board of the Council of Agricultural Research *Publications* History of Millowners' Association, Bombay *Address* Bombay House, Fort, Bombay

SAMAI, DAS, LALUBHAI—see LALUBHAI

SAMIULLAH KHAN, M, B A, LL B, High Court Pleader Vice-President, Government Press Employees' Union, (1929-1930) b 1889 *m* Miss Irasunnisa A Jallil *Educ* M A O College, Aligarh Worked on many war committees during the war, Secy, Prov Khilafat Committee, C P 1920-24, Secy, Anjuman High School, Nagpur (1923), end 1931-32 and its General Secretary since 1932 Vice-President, Nagpur Municipal Committee 1921-23, one of the secretaries of the Silver Wedding Fund at its start, was Member, All-India Congress Committee and the Central Khilafat Committee from 1921-23, non-co-operated from practice from 1921-23 a member of Swaraj party Member, Legislative Assembly, 1924-26 Whip of the Swaraj Party in the Legislative Assembly, 1925, and a Member of the Executive Committee of the Anjuman High School Institute since 1915 Hon Secretary, District Bar Association, Nagpur 1927-32 President, Railway Mail Service Association (Branch) Nagpur, (1926) President, Nagpur Municipal Committee, since 1932 *Address* Sadar Bazar, Nagpur, C P

SAMTHAR, H H MAHARAJA SIR BIR SINGH DEO, MAHARAJA OF, K C I E b 8 Nov 1865 S 1896 *Address* Samthar, Bundelkhand

SANKARANARAYANA AYYAR, S, M A, B L, Advocate, Tinnevely b 14 May 1896 *Educ* Presidency Coll, Madras Law Colleges, Madras and Trivandrum Graduated in Arts 1920, and in Law 1922 *m* Rukmani Ammal of Kodangudi, Tanj Dist (1926) Zamindar of Nayinaragaram, Tinnevely District Proprietor of Kayatar Estate, Tinnevely Dist Winner of S P C A Gold Medal 1920 Special Lecturer, Elementary Teachers' Confce at Tinnevely, 1923 Chairman of the Reception Committee, first Tinnevely Postmen's Confce, 1924 Witness, Tamil University Committee 1927, Author of several articles on Metrophysics, Law and Education, as "Do Finite Individuals have a Substantive or an Adjectival Mode of Being," "Maintenance to a widow—Quantum and Style of Life," "The Necessity for a Conscience Clause in Indian Educational Institutions," etc Has contributed much to public discussion on the Madras Univ Act, Madras Hindu Religious

- University, President of the Board of Trustees of Seth Jai Dyal High School Blawan. Member of the managing body of Colvin Taluqdars' School, Lucknow. Trustee of Raja Raghubar Dyal High School, Sitapur. Member of the Board of Agriculture, U P. Member of U P Cattle breeding Committee. Member of U P Agricultural Research Committee, Member of the Court of Ward's Advisory Committee Sitapur, Member of the Executive Committee of British Indian Association of Oudh, Member of the Local Provinces Legislative Council as one of the representatives of British Indian Association of Oudh, Member of U P Finance Committee, 1928-29. Member of U P Simon Committee, Delegate to the Indian Round Table Conference in London, Hon'y Special Magistrate. Gave evidence before the Indian Taxation Enquiry Committee in 1925. *Address* Kotra, Blawan District Sitapur, Oudh
- SETHNA, THE HON SIR PHIROZ FURSTJEE,** Kt, B A, J P, O B E (1918), Member, Council of State b 8 Oct 1866. Manager for India, Sun Life Assurance Co of Canada, Chairman, Central Bank of India, Ltd. Member, Bombay Municipal Corporation, Past President, Bombay Municipal Corporation and Indian Merchants Chamber. *Address* Canada Building, Hornby Road, Bombay
- SETURATNAM IYLR, THE HON MR M R,** Minister for Development, Madras Government b 2nd January 1888. *Educ* National High School and St Joseph's College, Trichinopoly. Was nominated President of the Taluk Board, Karur, was elected President of the Taluka Board, Kulitalai, elected President of the Trichinopoly Dist Board, elected President of the Trichinopoly District Educational Council Assistant Secretary of the Trichinopoly National College and Hon Assistant Registrar, Co operative Societies, Trichinopoly Dist, elected member of the Madras Legislative Council from 1921. *Address* Boa Bab, Eldams Road, Tejnampet, Madras
- SEYMOUR-SEWELL, ROBERT BIRSFORD,** LIET COLONEL, Indian Medical Service M A, Sc D, (Cantab), C I E (1933), leader of the John Murray Oceanographic Expedition to the Arabian Sea b 5th March 1880 m Dorothy of William Dean of Chichester (deceased). *Educ* Weymouth College, Christ's College, Cambridge, St Bartholomew's Hospital, London. Entered I M S in Feb, 1908, Surgeon-Naturalist to the Marine Survey of India, 1910, Medical Officer 23rd Sikh Pioneers, 1914-18 (mentioned in despatches), Surgeon Naturalist 1921-25, Director, Zoological Survey of India, 1925-33, Fellow and Past President of the Asiatic Society of Bengal, Awarded Berkeley Memorial Medal by the A S B in 1932, Past President of Indian Science Congress, (1931), *Publications* Numerous papers on Zoology and Oceanography. *Address* C/o The Imperial Bank of India Ltd, 25, Old Broad Street, London, E C 2
- SHADILAL, SIR, M A (Punjab),** 1895, B A Honours (Oxford) 1898, B C L Hon (Oxford) 1899, Boden Sanskrit Scholar (Oxford) 1898, Arden Law Scholar (Gray's Inn) 1899, Honoursman of Council of Legal Education, 1899. Special Prizeeman in Constitutional Law, 1899, appointed Member of the Privy Council b May 1874. *Educ* at Govt Coll, Lahore, Balliol Coll Oxford. Practised at the Bar 1899-193. Offg Judge, Punjab Chief Court 1913 and 1911, Permanent Judge, 1917, Judge, High Court, Lahore, 1919, Chief Justice, May 1920-1934. Elected by Punjab University to the Leg Council in 1910 and 1913. Fellow and Syndic, Punjab University. *Publications* Lectures on Private International Law. Commentaries on the Punjab Alienation of Land Act and Punjab Pre-emption Act, etc. *Address* London
- SHAHAB-UD-DIN, THE HON'BLE KHAN BAHADUR, SIR CHAUDHRI, Kt** (1930) B A, LL B Advocate, High Court. President, Punjab Legislative Council. Founder and Proprietor "India Cases," and "Criminal Law Journal." Member Legislative Assembly for 3 years. President, Municipal Committee, Lahore, for 4 years and elected President, Punjab Legislative Council, re-elected President Punjab Legislative Council in January 1927. *Educ* Government Coll and Law Coll, Lahore. Started Criminal Law Journal of India in 1904 and Indian Cases in 1909. Was first elected member, Lahore Municipal Committee in 1913, President of the Corporation in 1922. Elected member, Punjab Leg Council re-elected President, Lahore Municipal Committee, 1924. *Publications* The Criminal Law Journal of India. Indian Case and two Punjabi poems. *Address* "A Mumtaz" 3 Durand Road, Lahore
- SHAHPURA, RAJA DHIRAJ USMAID SINGH,** RAJA SAHIB of b 7th March 1876. Succeeded to *gadi* in 1932. Permanent salute 9 guns. *Address* Shahpura, (Rajputana)
- SHAIKH, MAHMOOD HASAN KHAN HAJI, KHAN BAHADUR,** Landlord, Magistrate, Barh, Dist Patna Bihar and Orissa b 1895 m Musammat Bibi Miriam un Nisan d of the late Mr Ahmad Hussain, Barrister at Law and Subordinate Judge, Bihar and Orissa. *Educ* at M A O College Aligarh, U P. Was Chairman of the Barh Municipality for three years and Chairman of the Local Board for three years, Secy of the Central Co operative Bank, Barh, Director of the Provincial Co operative Bank, Bihar and Orissa, Member of the Patna District Board, Hon'y Organiser on behalf of the Government for the Co operative Societies, Bihar and Orissa. Family enjoys the hereditary title of "Khan" from the time of Shah Alam II, Moghul Emperor, and the family has been granted considerable landed properties with 10,000 cavalry and infantry. The late Ahmad Ali Khan, his great great-grand father was the Commander-in-Chief to the Mogul Emperor. Was made a Khan Sahib in 1924 and Khaz Bahadur in 1931. *Address* Mahmood Garden, Barh, District Patna Bihar and Orissa
- SHAKESPEAR, ALEXANDER BLAKE, C I E,** Merchant, Sutherland & Co, Cawnpore b 1873. *Educ* Berkhamstead. Was Sec, Upper India Chamber of Commerce, 1905-12. *Address* Cawnpore

present Vice of Government of India, 1922, elected Member, Council of State, 1921 delivered the Kamala Lectures to the Calcutta University on the "Rights and Duties of Indian Citizenship" since published in book form. High Commissioner for India in South Africa 1927-29, Member, Royal Commission on Labour 1929. *Address* Servants of India Society, Bombay or Poona

SAUNDERS THE RIGHT REV CHARLES JOHN GODFREY M A, Bishop of Lucknow *b* 15th Feb 1888 *m* Mildred Robinson Hebblethwaite one son and two daughters. *Educ* Merchant Taylors' School London. Scholar of St John's College, Oxford, Cuddesdon College, Oxon. Deacon 1910. Priest 1911, Diocese of Lucknow. S P G Mission Cawnpore, 1911-16. Indian Ecclesiastical Establishment, Chaplain, 1917, at Roorkee, 17 Cawnpore, 1918, Chikrita, 1921, Staff Chaplain, Army Headquarters, India 1921-24. Metropolitan's Chaplain, Calcutta, 1925-1928. Bishop of Lucknow 1928. *Address* Bishop's Lodge, Allahabad

SAUNDERS, COLONEL MACAN, D S O, Offg Director, Military Operations, Army Headquarters, India *b* 9 Nov 1881 *m* Marjory *d* of Francis Bacon. *Educ* Malvern College, R M A, Woolwich. Lieut., Royal Field Artillery, 1903, Lieut. Indian Army, 1907, Capt., 1912. Major, 1918, Bt.-Lieut.-Col., 1919, Col. 1923, in India till 1914, except for a year in Russia, Staff Capt., 2nd Royal Naval Brigade, 1914, operations in Belgium and siege of Antwerp, Operations in Gallipoli, 1915, from 1st landing to evacuation, G S O 3 in Egypt to March 1916, Brig-Major, Eastern Persian Field Force to April 1917. Operations in Mesopotamia, 1917-18, G S O 2 and Intelligence Officer with Major-Gen. Dunsterville's Mission through N W Persia to the Caucasus 1918. G S O 1, Caucasus Section, G H Q British Salonika Force, 1919 (wounded, despatches five times, D S O Bt.-Lt.-Col.), P S C Camberley, 1920, Military Attache, Teheran, Persia, 1921-24. D D M I, Army Headquarters 1924-29. *Address* General Staff, Army Headquarters (India), Simla

SAWANTWADI, HIS HIGHNESS MAJOR KHEM SAWANT V alias BAPUSAHEB BHONSLE, RAJI BAHADUR RAJA SAHEB OF *b* Aug 20th 1897 *m* Princess Shri Lakshmi Devi of Baroda, *e* Yuvraj Shriwar Sawant. *Educ* Malvern College, England. Served in the Great War at Mesopotamia from Oct 1917 to March 1919, attached as Hon. Officer to 4/5th Maharashtra Light Infantry. *Address* Sawantwadi

SAYED MOHAMAD, Sahibzada Sir, Mehr Shah Nawab, Member, Council of State. Elected Member of the Punjab Legislative Council at the age of 25, elected twice as member of the Council of State, A delegate to the Round Table Conference. *Address* Jalal, Pur Sharif, Jhelum District, Punjab

SCOTT, JOHN GORDON CAMERON, M A (Cantab), Medieval and Modern Languages Tripos (1911), Principal, Prince of Wales's Royal

Indian Military College, Dehra Dun *b* 14 March 1888 *m* to Audrey, youngest *d* of Colonel J Scully. *Educ* Marlborough College, and Pembroke College, Cambridge. Appointed to the Chief's College Branch of the Indian Educational Service in 1912, Assistant Master, Daly College, Indore, 1912, Principal, Prince of Wales's Royal Indian Military College, October 1921. *Address* Prince of Wales's R I M College, Dehra Dun, U P

SCROOPE, ARTHUR EDGAR, B A (1903) and Scholar, Dublin University (1902) High Court Judge, Patna *b* 24 January 1881 *m* Judith Agatha Horwood. *Educ* Clongoes Wood College and Trinity College, Dublin. District and Session Judge, Bihar and Orissa, 1912-1922, Registrar, High Court, Patna, Judicial Secretary and Legal Remembrancer to Government of Bihar. *Address* Patna, E I R

SEAL, SIR BRAJENDRANATH, Kt, M A, Ph D, D Sc, Vice-Chancellor, Mysore University, 1920-30, Prof of Mental and Moral Science, Calcutta Univ., 1914-1920. Extra Member of Council, Mysore Government 1925-26 *b* 3 Sept 1864. *Educ* Gen Assembly's Institution, Calcutta University Del., Orientalist Congress, Rome, 1899, opened discussion at 1st Univ Races Congress, London, 1921, Mem, Simla Committee for drawing up Calcutta Univ Reg., 1905, Chairman, Mysore Constitutional Reforms Committee, 1922-23. Author of New Essays in Criticism, Memoir on Co-efficients of Numbers, Comparative Studies in Vaishnavism and Christianity, Race Origins, etc. *Address* 98, Lansdowne Road, Calcutta

SEN, JITENDRANATH, M A, Calcutta Univ. Sen Prof of Phy Sc, City Coll., since 1903 *b* 1875 *m* 1899. *Educ* Hindu Sch., Presidency Coll., City Coll. and Sc. Assoc., Calcutta. *Publications* Elementary Wave Theory of Light and other small books. *Address* City College 102/1, Amherst Street, Calcutta

SETALVAD, SIR CHIMANLAL HARILAL, K C I E (1924) LL D, Advocate High Court, Bombay *b* July 1866 *m* Krishnagvari, *d* of Nurbhanu Rughnathdas, Govt Pleader, Ahmedabad. *Educ* Elphinstone College, Bombay. Pleader, High Court, Bombay, Admitted as Advocate, High Court, Member, Southborough Reforms Committee, 1918, Member, Hunter Committee, 1919, Additional Judge, Bombay High Court, 1920, Member, Executive Council of Governor of Bombay, Jan 1921 to June 1923, and Vice-Chancellor Bombay University 1917-1929. *Address* Setalvad Road, Malabar Hill, Bombay

SETALVAD, RAO BAHADUR CHUNILAL HARILAL, C I E, Bar-at-Law, formerly Chief Presidency Magistrate, Bombay. *Address* Bombay

SETH, RAI BAHADUR KUNWAR BISHESHWAR DAYAL, B Sc, M L C F C S (London), M R A S (London), Taluqdar of Muizuddinpur. *Educ* at Canning College, Lucknow. Member of the Board of High School and Intermediate Education U P, Member of the Court of Lucknow

Shekhareswar Ray Bahadur of Tahirpur, Bengal Elected member of Rajshahi District Board (1915), elected member, Bengal Legis Council 1916 by the Landholders of Rajshahi Division, re elected to Council by the same body in 1920, 1923 and 1929 Appointed senior Chairman of the Bengal Legislative Council in 1924 and became its first elected President in 1925 Has served on numerous official Committees and has been Vice-President of the British Indian Association, and President, Bengal Hindu Conference Appointed Minister, Government of Bengal, 1929 *Address* P O Tahirpur, District Rajshahi

SHILLIDY GEORGE ALEXANDER, C I E (1931), King's Police Medal (1922), Deputy Inspector-General of Police C I D, Poona b 7th March 1886 m to Mabel Catherine, d of Robt Steven, J P, Barnhill, Dundee, *Educ* Campbell College, Belfast, Ireland Joined Indian Police in 1906 as Asst Superintendent of Police, promoted District Superintendent of Police 1916 and Deputy Inspector-General of Police in 1932 *Address* Poona

SHIRRAS, GEORGE FINDLAY, M A, Principal, Gujarat College, b Aberdeen, 16 July 1885 m 1911, Amy Zara, d of late George McWatters, Madras Civil Service, two s *Educ* Robert Gordon's College, Aberdeen, University of Aberdeen University Prizeman in Economics, Professor of Dacca College, 1909, on special duty under Government of India, Finance Department, 1910-13, Member, Govt of India Prices Inquiry Committee, on special duty in office of D P I, Bengal, 1913-14, Reader in Currency and Finance in Calcutta University, 1914, Member, Government of Bengal Statistics Committee, and of Board of Agriculture, India, 1918, on deputation Imperial Statistical Confe, London, on behalf of Govt of India, Dec 1919- Feb 1920, on special duty India Office in connection with League of Nations work, March 1920, attached International Labour Office and Economic and Financial Section, League of Nations, Geneva, 1924 and Ministry of Labour, Industrial Court, and Home Office, London, Labour Departments, Washington, Boston and New York, 1925, Hon Fellow, Royal Statistical Society, 1920, Major, 4th Gordon Highlanders, (1920 despatches), T A Reserve Regimental List, 1921, Director, Labour Office, Government of Bombay, 1921-25, formerly Director of Statistics with the Government of India, Member Bombay Legislative Council, Fellow of the University of Calcutta, Fellow of the Univ of Bombay *Publications* Some Aspects of Indian Commerce and Industry, Indian Finance and Currency, 3rd Impression, 1920 Some Effects of the War on Gold and Silver 1920, The Science of Public Finance, (Macmillan, 3rd Edition), Taxable Capacity and the Burden of Taxation and Public Debt (1925), The Future of Gold and Indian Currency Reform (Economic Journal, June 1927), A Central Bank for India, (Econ Journal, Dec 1927, Gold and British Capital in India (Econ Journal, Dec 1929), Financial Reform and the Indian Statutory Commission (Econ

Journal, Sept 1930), The Re-adjustment of Central and Provincial Finance in Federal Constitutions (Economic Political, Contemporary-Padua, 1930) "Poverty and Kindred Economic Problems in India" [Calcutta Government of India Central Publication, Branch (1932)], Gold and French Monetary Policy, articles on Finance and Indian Trade, etc *Address* Gujarat College, Ahmedabad

SHUTTLEWORTH, GRAHAM DENNISON, Senior Partner, Croft & Forbes, Exchange Brokers, Bombay, b 17 June 1889 m Margaret Ellen Anderson (15 March 1917) *Educ* St Lawrence College, Ramsgate, and Royal Military College, Sandhurst Commissioned as 2nd Lieut to 2nd Bn York and Lancaster Regt 1909, resigned in 1914 on joining Messrs Croft & Forbes, Exchange Brokers, Bombay Enlisted in Lahore Signal Company as Corp Despatch rider and proceeded to France, Aug 1914 with 1st Indian Expeditionary Force Granted King's Commission as Captain in Middlesex Regt, January 1915, demobilised 1919 and rejoined Croft and Forbes *Address* "Waverley" Wilderness Road, Malabar Hill, Bombay

SIFTON SIR JAMES DAVID, K C S I (1932), K C I E (1931), C S I (1929), C I E (1921), I C S, Governor of Bihar and Orissa, (1932) b 17th April, 1878, s of Thomas Elgood Sifton *Educ* St Pauls School and Magdalen Coll, Oxford m Huriette May, d of Thomas William Shettle two s two d I C S (1901), served in Bengal to 1910 Transferred to Bihar and Orissa, Magistrate and Collector of Shahabad, 1915 Sec to Govt in Financial and Municipal Dept 1917, Dy Commissioner, Ranchi, 1923, Chief Secretary to Govt of Bihar and Orissa, 1925-27, Acting Governor of Bihar and Orissa, 1929 and again 1930 Member of Executive Council, Bihar and Orissa, 1927-1931 *Publications* Settlement Report of Hazaribagh District, Settlement Report of Parganas Brahabhum and Patkum in Manbhum District *Recreations* Tennis and Golf *Address* Government House, Patna and Ranchi, Bihar, India *Clubs* East India United Service Bengal United Service, Calcutta

SIKANDAR HYAT KHAN, THE HON CAPTAIN, Sirdar, Sir Ag Governor of the Punjab b 5 June 1892 *Educ* M A O College, Aligarh and Univ College, London During War was recruiting officer, commission in 2 67th Punjabis (now 1/2nd Punjabis), served on N W F and in the third Afghan War Appointed to Brigade Headquarters Staff, was the first Indian to command a company on active service returned to the Punjab Legis Council by landholders constituency, non official member of Police Enquiry Committee, 1926, Pers Asst to Mela Officer during Prince of Wales' visit, elected by the Punjab Council to the Provincial Simon Committee which elected him as its Chairman, was connected with the Boards of 11 Companies including Messrs Owen Roberts, the Punjab Portland Cemet Co, Wah Stone and Lime Company, North India Constructional Engineers and the Frontier Mining Syndicate,

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 Served during Afghan War, 1879 80, with
 march from Kabul to Kandahar, Ch Jud of
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SHANKAR RAU, HATTIANGADI, B A, C I E,
 (1931), Deputy Controller of the Currency,
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 Presidency College, Madras Superintendent,
 Government of India, Finance Department,
 1922-24 Indian Audit and Accounts Service,
 1924, Assist Secretary, Government of
 India, Finance Department, 1924, Under-
 Secretary, Government of India Finance
 Department, 1925 Deputy Secretary, Gov-
 ernment of India, Finance Department, 1926,
 Budget Officer, Government of India, Finance
 Department, 1926 31, Member, Legislative
 Assembly, 1927, 1930 and 1931, Dy Con-
 troller of the Currency, Bombay, 1931 *Publica-*
tion Indian Thought in Shelley and Ten-
 nyson, Tales from Society The Chitrapur
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PANDIT JOIRMARTAND, Astronomer, Astro-
 loger and Landlord *b* 19 Dec 1884 *m* Anna
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 of Laxmeshwar Miraj Senior *Educ* Hosaritti,
 Taluka Haveri, Dharwar Compiler of the
 Annual Indian Calendar known as "Hossritti
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 predictions *Publications* Annual Indian
 Calendar, Bhamini-Dipika in Sanskrit (a
 treatise on Astrology), Kalachandrika in
 Sanskrit, Sanhita Tajak-Sara (a treatise
 on Astrology) with Commentary in Marathi,
 Daivanya Ratnakar in Sanskrit (a treatise on
 Astrology), Griha Ratna Mala in Sanskrit (a
 treatise on Astronomy), and booklets regard-
 ing the administrations of H E Lord Willing-
 don, Viceroy of India and of H E Sir Fred-
 erick Sykes, Governor of Bombay, and Life
 of Pant Bale-Kundri Maharaj of Belgaum
 The History of Canopus (Agastya) in English
 History of Ursa Major (Saptarush-Mahika)
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 M Inst T, Chairman, Bombay Port Trust
b Dublin 11 Dec 1880 *m* Kate, third *d* of the
 late T H Marsh of Northwood, Mx, 1 *d*
Educ City of London School and Neuveville
 Academy, Switzerland, Accountant and Branch
 Manager, Grindley & Co, Ltd, 1902-1913,
 joined Bombay Port Trust, Dec 1913, Chief
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 Late Captain, Bombay Battalion I D F,
 Chairman, St George's Hospital Nursing
 Association, Chairman, Royal Bombay Sea-
 men's Society, Chairman, Indian Sailors
 Home, Chairman, St John Ambulance
 Association, Bombay, Asst Commissioner,
 St John Ambulance Brigade Overseas,
 Bombay District, Member, Bombay Muni-
 cipal Corporation, Improvements Committee,

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SHASTRI, PRABHU DUTT Ph D. (Kiel), B Sc
 Litt Hum (Oxon), MA B T, Hon M O L
 (Punjab), Vidyasagar (Calcutta), Shastra-
 Vachaspati (Nadia), I E S Principal,
 Rajshahi College, Sen Prof of Mental and
 Moral Phil in Presidency Coll, Calcutta, 1912-
 1933, offg Principal, Hooghly Govt
 College, 1927 *b* 20 June 1885 *Educ*
 Universities of Lahore, Oxford, Kiel, Bonn and
 Paris Del to and Sectional Pres at 4th Int
 Congress of Philosophy held at Bologna, 1911,
 Head of Dept of Philosophy, since 1912,
 Calcutta Univ Lect in Phil and Sanskrit,
 1912-15, invited to lecture in Universities of
 Geneva, Florence and Rome, 1913-14 Visited
 the U S A and Canada in 1920 22 and
 invited to address the Universities of Harvard,
 Cornell, Princeton, Yale, Johns Hop-
 kins and Toronto Invited as Sectional
 President at 5th International Congress of
 Philosophy, Naples, 1924 *Publications*
 Several works and articles on philosophical,
 educational, literary, religious and social
 subjects *Address* Bharati-Bhawan, 3 Multan
 Road, Lahore or Principal's House, Rajshahi,
 Bengal

SHEIKH, MAHAMAD BHAI, C I E (1931) MADAR-
UL-MAHAM AMIR *b* 18th October 1901
 First Class Amir of the Junagadh State, holding
 a hereditary Jagir, *Educ* at the Mayo College,
 Ajmer, visited England in 1813 14 with His
 Highness the Nawab Saheb Entered Juna-
 gadh State Service in 1920 as Military Secretary
 to His Highness the Nawab Saheb and
 subsequently was appointed Private Secretary
 to His Highness and then Huzur Secretary,
 Dewan, Junagadh State, 1923 1932 Retired
 from Junagadh State Service in February 1932
Address Agatrai, via Keshod, Junagadh
 State

SHEPPARD, SAMUEL TOWNSEND, London
 Correspondent of *The Times* of India *b*
 Bath, Jan 1880 *Educ* Bradfield and
 Trinity Coll, Oxford *m* 1921, Anne, *d* of the
 late J H Carpenter Joined the staff of *The*
Times (London) as Secretary to the Editor in
 1902 Assistant Editor, *The Times* of India
 1907-1923, Editor, 1923 1932, Temporary
 Capt in the Army, 1917-18, employed on the
 staff of Bombay Brigade, Corresponding
 Member, Indian Historical Records
 Commission *Publications* Contributed to
The Times History of the War in South
 Africa "The Byculla Club a history"
 "Bombay Place-names and Street-names,"
 "A History of the Bombay Volunteer
 Rifles" *Address* *The Times* of India,
 Salisbury Square, Fleet Street, London,
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SHIB SHEKHARESWAR RAY, THE HON KUMAR,
 B A, M L C, Minister, Government of Ben-
 gal *b* 4th December 1887 *m* to Annapurna
 Devi, *d* of Rai S N Majumdar Bahadur of
 Bhagalpur *Educ* Central Hindu College,
 Benares and graduated from the University
 of Allahabad Is the eldest *s* of Raja Sasi

Singh, late Taluqdar of Dhanawan Estate in Gonda Dist *Educ* at Rae Bareilly High School and M A O College, Aligarh President-elect of the second U P Social Conference held in Lucknow in 1908 and of All-India Social Conference in 1910, presided over both All-India Hindu Conference at Delhi in 1918, elected President, British Indian Association of Oudh in 1921 and was re-elected in 1924. Was Fellow of Allahabad Univ until 1909 and is Secretary of Khatirwa College, Lucknow, Member of the Executive Council of the Lucknow University and of the Court of the Hindu University of Benares of the Board of Directors of Mahalaxmi Sugar Corporation, Lucknow, also Director of the Allahabad Bank, again elected President, British Indian Association, Oudh 1931 and was Chairman of the Hindu Religious and Charitable Endowments Committee appointed by U P Government *Publications* Pamphlets entitled 'Taluqdars and the British Indian Association' (1917) and 'Taluqdars and the Amendment of Oudh Rent Law' (1921), and Contributions to the press on social, political and religious topics *Address* Kurri Sudauli Raj, Dist Rae Bareilly, Oudh

SINHA, THE HON MR ANUGRAH NARAYAN, M A, B L, Zemindar, July 3, 1889 *Educ* Patna and Calcutta. Joined the High Court, Patna, as Vakill, appeared in the famous 'Burma Case' of the Durrion Raj as junior to Mr C R Das, Mr Srinivasa Avenger and the late Sir Ashutosh Mookherji, joined Non Co operation Movement 1921, at present Chairman of Gaya District Board and Member, Council of State, representing Bihar and Orissa, Chairman, Reception Committee of the All-India Untouchable Conference held at Patna in 1926 *Publications* Translated History of Ancient Magadha from Bengali into Hindi *Address* Villa Poiawan, P O Aurangabad, Dist Gaya (Bihar and Orissa)

SINHA, BHUPENDRA NARAYANA, R A J A BAHADUR (1918), B A, (Calcutta), of Nashipur and Zemindar b 15th Nov 1888, m first Rani Prem Kumari and on demise Rani Surya Kumari *Educ* Presidency College, Calcutta Member of the Dist Board of Murshidabad for 12 years, 1st Class Hon Magte, Vice-President, British Indian Association, President All-India Cow Conference Association, Trustee of the Indian Museum, President of the India Art School, elected to the Bengal Council in 1926, elected as a co opted member of the Royal Statutory Commission, Member of the Finance Committee, Member of the Public Committee, Member of the Revenue Committee Member of the E B Railway Local Advisory Committee and Minister to the Govt of Bengal Re-elected to the Bengal Council in 1929 *Address* 54, Gariahat Road, Ballygunge, P O, Calcutta, or Nashipur Rajpatti, Nashipur P O, Dist Murshidabad, Bengal

SINHA, KUMAR GANGANAND, M A (1921), M L A (1924-1930), Hon Research Scholar of the Calcutta University (1922-23), Proprietor, Srinagar Raj. b 24 Sept 1898 *Educ* at Monghyr Zilla School (1907-10), Purnea Zilla School, Presidency

College (Calcutta) Government Sanskrit Coll, Calcutta, and Post-Graduate Department, Calcutta University Elected to the Royal Asiatic Society of Great Britain and Ireland in 1921, Asiatic Society of Bengal in 1922, Bihar and Orissa Research Society in 1924 and to the Fellowship of the Royal Society for the encouragement of arts, manufacture and commerce, etc In 1923, a Commissioner of the Purnea Municipality and a member of the Purnea District Board (1924-27), President of the Social and Religious Department of the Malthill Sammelana, one of the founders of the Nationalist Party in the Legislative Assembly. Joined the Swarajya Party in the Assembly (1925) Elected a Secretary of the Congress Party in the Assembly, 1928 a member of the Road Development Committee and its touring and drafting Sub Committees, 1927-28 Life Member of the Imperial Parliamentary Association, President of the Purnea District Congress Committee (1925-1929), President of the Bihar Provincial Hindu Sabha, Member of the Executive Committee of the All India Hindu Sabha, 1926-1928, President of the Bihar Provincial Kavi Sammelana (1926) President of the Bihar Provincial Board of the Hindustani Sevadai (1929), visited Europe 1930-31, was in England during the first Round Table Conference *Publications* "The Place of Vidha in the Ancient and the Medieval India" (read in the second Oriental Conference) "A Note on the Jangala Dasa" and "Discovery of Bengali Dramas in Nepal" and "On some Malthill Dramas of the Seventeenth and Eighteenth Centuries" (published in the Journal of the Asiatic Society of Bengal), "Is Dharmat religion Buddhism?" (read in the Third Oriental Conference, Madras, 1924) joint editor of the typical selections from Malthill proposed to be published by the Calcutta University, an Editor of the "Barhut Inscriptions" published by the Calcutta University in 1926 *Address* "Srinagar Darbar," P O Srinagar, Dist Purnea, (Bihar)

SINHA, SACHCHIDANANDA, Barrister, First Indian Finance Member, Ex-Member Executive Council, Bihar and Orissa Government, 1921-1926, also President of Legislative Council, 1921-22 b 10 Nov 1871, m the late Srimati Radhika, d of the late Mr Sewa Ram, of Lahore *Educ* Patna College and City College, Calcutta Called to the Bar (Middle Temple), 1893, Advocate, Calcutta High Court, 1893, Allahabad High Court, 1896 Patna High Court, 1916 Founded and edited *The Hindustan Review*, 1899-1921, Twice Elected Member, Imperial Legislative Council, Elected Legislative Assembly, 1920, also elected its first Deputy President, Feb 1921 Established and endowed in 1924 the Srimati Radhika Institute in memory of his wife, which building contains, besides the largest public hall in Patna, the Sachchidananda Sinha Library, a splendid collection of classical and current works in English Visited England in 1927 where he in writings and speeches made notable contributions to the discussion of Indian Reforms as embodied in the system known as Diarchy.

appointed Revenue Member, Punjab Government, 1929, for three months and became permanent Revenue Member in 1930, appointed to act as Governor July to October 1932 M B L 1920 K B E, 1933 Address Government House, Lahore

SIKKIM, MAHARAJA OF, H H MAHARAJA SIR TASHI NAMGYAL, K C I E. (1923). b 26 Oct 1893, s of late Maharaja Sir Thutob Namgyal, K C I E of Sikkim. m grand-daughter of Lonchen Shol Khang (Regent of Tibet) Educ Mayo Coll, Ajmer, St Paul's Sch, Darjeeling Address The Palace, Gangtok, Sikkim

SINGH, BEOHAR RAGHUBIR, Zamindar and Jagirdar Educ Government College, Jubbulpore Hon Mgte, First Class, sitting singly, has been member of the C P Council on behalf of Zamindars for two terms, has been elected Member, Legislative Assembly, on behalf of C P Zamindars Title Beohar recognised by Government—hereditary distinction Khias Am Darbari of H E the Governor, C P exempted from Arms Act Is Chairman of the District Council and Member, Village Uplift Board C P and Berar Member of Communication Board, C P Publications Hindi Shashtra Siddhanta Sir Address Jubbulpore,

SIMLA, ARCHBISHOP OF, since 1911, Most Rev ANSELM, E J KENEALY b 1864 Entd Franciscan Order, 1879, Priest, 1887 Guardian of Franciscans, Crawley, Sussex 1899; Minister Provincial for England, 1902, first Rector of the Franciscan College, Cowley, Oxford 1906 elected life member of Oxford Union, 1907, Definitor-General, Rome, representing English speaking provinces, 1908 Visitor-General, Irish Province, 1910 Address Archbishop's House, Simla E

SIMPSON, TREVOR CLAUDE, C I E, King's Police Medal (1916), C I E (1927), Inspector-General of Police, Bengal b 9th February 1877 Educ St Paul's School, London, W. Appointed to the Indian Imperial Police by the Secretary of State after open competitive examination in London in Novr 1896, Superintendent of Police, 1906 Inspector-General of Police, 1919, Inspector-General of Police, 1923 Address 16, Harrington Mansions, Calcutta

SINGH, Lt-COL BAWA JIWAN, C I E (1918) I M S (ret'd) b May 6 1863 Educ Government and Medical Colleges, Lahore and St Thomas' Hospital Medical Schools, London-Joined I M S, 1891 Served in Military Department to 1896 Civil Surgeon, Melktila, 1896 Secretary, I G Prisons, with Civil Medical Administration Burma, 1897-1899, Supdt, Central Jail, Insein, Burma, from 1899 to 1909, Inspector-Genl of Prisons, E Bengal and Assam, 1910-1912, Inspector-Genl of Prisons, Bihar and Orissa, from 1912-1920, Director, Medical and Sanitation Departments, H E H The Nizam's Govt, 1920-23, and Director, Medical Sanitation and Jail Depts, H E H the Nizam's Govt, 1923-24. Address Ranchi, Chota Nagpur

SINGH, GAYA PRASAD, B A, B L, M L A, Pleader, Muzaffarpur Educ Muzaffarpur and Calcutta Was a sub-deputy magistrate and collector for a few years but resigned subsequently now practising as a pleader, was a member of the Muzaffarpur Municipal Board of the Sudder Hospital Committee, and of the Local Advisory Committee on Excise, an elected member of the Legislative Assembly since 1921, a Member of the Standing Finance Committee since 1924, one of the founder members of the Aero Club of India and Burma, a member of the Governing Body of the Indian School of Mines, Dharnad Presided over the 13th session of All-India (including Burma) Postal and R M S, Behar and Orissa Provincial Conference at Muzaffarpur in March 1933, presided over the 5th session of the Burma Provincial Kshattriya Nanyak Sangh in April 1933 Publication "Pictorial Kashmir" Address Muzaffarpur (Bihar)

SINGH, RAJA BAHADUR SURJ BAKSH, O B E (1919), Taluqdar of Oudh b 15 Sept 1868 m grand-daughter of Raja Ganaram Shah of Khairigarh (Oudh) Educ at Sitapur and Lucknow President, British Indian Assocn of Taluqdars of Oudh from 1927-1930 Member, first Leg Assembly Publication "A Taluqdar of the Old School" by "Heliodorus" and "Arbitration" Address Kamalapur P O, Sitapur Dist (U P)

SINGH THE HON SIRDAR SIR JOGENDRA, Kt (1929) Taluqdar, Aira Estate, Kheri District Minister of Agriculture (1926) b 25 May 1877 m Winifred May of Donoghue Contributes to several papers in India and England Has been Home Minister, Patiala State Fellow of the Punjab Univ, Presdt of Sikh Educ Confce, served on Indian Sugar Committee, Indian Taxation Enquiry Commission and Sken Committee, Member of Council of State, Editor of East and West Publications "Kamla", Nurgahan, Narsing, Life of B M, Malabari and Kanu Address Aira Holme, Simla (East)

SINGH, SIR KUNWAR MAHARAJ, M A (Oxford), Bar-at-Law C I E Agent of the Govt of India in South Africa b 17 May 1878, m to Miss Maya Das, d of the late Rri Bahadur Maya Das of Ferozepur (Punjab) Educ Harrow Ball Coll, Oxford, Bar-at-Law, Middle Temple, 1902 Ent U P C S as Dy Coll, 1904, Asst Sec to Govt of India Dept of Education, 1911, Mag and Collr of Hamirpur, U P, 1917, Secy to U P Govt, 1919 Dy Secretary Govt of India, Education Dept, 1920-23 Dy Commissioner, Bahraich, 1923, Commissioner, Allahabad, 1927, Commissioner, Benares, 1928 Allahabad 1929, Vice-President, State Council, Jodhpur, 1931, and Agent to the Government of India, 1932 Publications Annual Report on Co-operative Credit Societies in the U P, 1908-1919 Reports on Indian Emigration to Mauritius and British Guiana and on Mission to East Africa and various contributions to the press Address South Africa

SINGH, THE HON RAJA SIR RAMPAL, K C I E, (1916), Member, Council of State Tangdar b 7 Aug 1867 m niece of Thakur Jagamohan

SMITH, WALTER ROBERT GEORGE, Commissioner of Police Bombay *b* 5th Nov 1887 *m* Ellen *d* of the late John Cochran *Educ* Grove Park School, Wrexham and Gray's Inn Joined Police Service, Dec, 1908, as Assistant Superintendent, Superintendent of Police March 1921, Dy Commissioner of Police Bombay 1932, Offg Deputy Inspector General of Police, March 1932 Commissioner of Police, Bombay, 1933 awarded King's Police Medal, 1933 *Address* Police Headquarters Bombay

SOLA, THI RIV MARCIAL, S J, Ph D, M A Former Principal of the Ateneo de Manila Institution from 1916-1920 Professor of Logic and Philosophy at St Xavier's College, Bombay *b* Nov 7, 1872 in the province of Barcelona, North of Spain Ordained at St. Louis, Mo U S A in 1906 *Educ* Vich, Spain and at St. Louis University, Mo U S A Went to the Philippines On the staff of the Manila Observatory under the Spanish and the American Governments from 1897 to 1903 A Delegate to the World's Fair held in St. Louis, U S A in 1904 Prof for several years at the Ateneo de Manila, Philippines, and Principal of that Institution from 1916 to 1920 On the Staff of St. Xavier's College, Bombay since 1922 *Publications* Author of "The Meteorological Service of the Philippine Islands" "A Study of Seismic Waves" Contributor to the monthly review "Razon y Fe" edited at Madrid Author of "A Compendium of the Science of Logic" *Address* St. Xavier's College, Cruickshank Road, Fort, Bombay

SOLOMON, CAPT WILLIAM LWARI GLADSTONE, Kaisar-i-Hind Medal (First Class) Member, Royal British Colonial Society of Artists Director, Sir J J School of Art, Bombay, Curator, Art Section, Prince of Wales Museum, Bombay *b* Sea Point, Cape Town, 1880 *s* of late Saul Solomon, M L A *m* 1906, Gwladys, *d* of Rev G W Cowper Smith, Tunbridge Wells, one *s* *Educ* Bedford Grammar School, University School, Hastings and abroad Studied under Sir Arthur Cope, R A, and J Watson Nicol, and at the Royal Academy schools, London Took the highest prizes and medals for figure painting and decorative painting Took the Gold Medal and Travelling Scholarship for Historical Painting Exhibited many pictures and portraits at Royal Academy, appointed Principal, Sir J J School of Art, Bombay, 1919, founded the class of Mural Painting under H E Lord Lloyds direction, 1920, Directed the mural decoration of part of new Delhi Secretariat by School of Art students 1929, organized exhibition of Bombay School of Art student's work at India House, London, 1931 Served in Gallipoli, Mesopotamia and India, 1914-1919 *Publications* "The Charm of Indian Art," "The Bombay Revival of Indian Art," "The Women of the Ajanta Caves," etc *Address* School of Art Bungalow Bombay

SORABJI, CORNELIA Kaisar-i-Hind Gold 1st class medal (1909) Bar 1st Class (1921), Legal Adviser to Pundahmishins, Court of Wards, Bengal, Behar and Orissa, and Assam, and Consulting Counsel from 1904 to 1922 *Educ* Somerville Coll, Oxford, Lee and

Pemberton's, Lincoln's Inn Fields, London, Bachelor of Civil Law, Oxford, 1892, Bar at-Law Lincoln's Inn 1923 Practising High Court, Calcutta *Publications* "Sun-Babes" (1904), "Between the Two Lights" (1908) "The Pundahmishins" (1916) "Sun-Babes" (2nd Series Illustrated), 1920 "Therefore" (1924) *Gold Mohur Time*, (1930), "Susie Sorabji—Jile" (1932) contributions to the *Nineteenth Century*, *Westminster Gazette*, *The Times*, other newspapers and magazines *Address* Helicon Club, 11, Cork Street, London, W 1

SOUTHER, CHARLES ALEXANDER C ST (1933), ICS Member Board of Revenue, Madras *b* 13th June, 1877 *m* Charlotte Dorothy Tesson *Educ* Catus College, Cambridge Arrived in India 1901 and served in Madras as Asst Collr and Magistrate, Asst Secy to Govt, 1906 Under Secretary, Revenue Department, 1909, Sub Collector and Joint Magistrate, 1910, Offg Commissioner, Coorg, 1916, Commissioner, Coorg, 1918-1923, Collr and Dist Magistrate 1924, Offg Secy to Govt, Public Works Department, 1923, 3rd Member, Board of Revenue, 1930, 1st Member 1931 *Address* Taylor's Gardens Adyar, Madras

SPACKMAN, LIEUT-COL WILLIAM CORRIE, I M S, M R C S, L R C P, M B, B S (Lond) F R C S (Ed) M C O G (Eng), F C P S Professor of Midwifery and Gynaecology, Grant Medical College, Bombay *b* 23 Sept 1889 *m* Audrey Helen Eden Smith *Educ* Trent College, and St Bartholomew's Hospital, London War Service 1914-18 Mesopotamia and Turkey (Prisoner of War 1916-18) Wounded twice mentioned in dispatches Frontier Medal 1923 Transferred to Civil employ, 1921, Bombay Presidency *Publications* numerous articles on professional subjects in various Journals *Address* Rocky Hill Malabar Hill, Bombay Rustom Building, Churchgate Street, Bombay

SPLNCE, SIR REGINALD ARTHUR, Kt, Managing Director, Philipson & Co Ltd *b* March 1 1880 *Educ* Christ's Hospital Arrived in India Feb 1901 formerly Lieut, Bombay Light Horse, Hon Secretary, Bombay Natural History Society and Pechey Philipson Sanitarium, Nasik, Chairman of Committee, Bombay Education Society was Chairman, Bombay Branch European Association, 1929 1930, Dist Grand Master Masons, L C, Bombay and Dist Grand Master, L C, Bombay, was member Indian Legislative Assembly, 1921-1923 & Sheriff of Bombay 1929 Member of Council of State, July 1930, M L C Bombay, August 1930 Editor, Journal of Bombay Natural History Society Officer of the Order of St John of Jerusalem (1930) *Address* Byculla Club, Bombay

SPRAWSON, CUTHBERT ALLAN, MAYOR-GENERAL I M S, M D (Lond), B S, F R C P, D Litt C I L (1919), K H P (1933), Officer of Order of St John of Jerusalem (1930), Director General, Indian Medical Service, from Nov 1, 1933 *b* 1 March 1877 *Educ* King's Coll, London and King's Coll, Hospital Indian Medical Service, 1900, Professor of Medicine, Lucknow, 1913-29, Consulting Physician, Mesopotamian Expeditionary Force, 1917-20, Inspector-General,

Resumed Editorship of the *Hindustan Review* in 1929. Became Managing Director of the *Indian Nation*, Patna, in 1931. Was especially invited while in England in 1933, to appear before the Joint Parliamentary Committee on Indian Reforms and, submitted a lengthy memorandum on the White Paper from the standpoint of constitutional nationalists. *Publication* "The Partition of Bengal or the Separation of Behar" *Address* Patna, Behar

SIRCAR, SIR NRIPENDRA NATH, KT, M A, B L, Law Member of the Government of India *m* Nabinalini Basu, *e d* of Durgadas Basu *Educ* Presidency College, Calcutta, Lincoln's Inn Practised at Bhagalpore in Bihar as pleader since 1897. Member of Subordinate Judicial Service, 1902-05, First Honours man in Bar Final Michaelmas Term, 1907, Honours in Mathematics, Physics and Chemistry in B A, M A, in Chemistry Holder of Foundation Scholarship, Presidency College, Appointed Law Member, Government of India, 1934 *Address* Government of India, Simla and New Delhi

SIROHI, H. H. MAHARAJADHIRAJ, MAHARAO SIR SARUP RAM SINGH BAHADUR, G C I E, K C S I *b* Sept 27, 1888 *s* to the gadi, April 29, 1920 *Address* Sirahi, Rajputana

SITAMAU, H. H. SIR RAJA RAM SINGH, RAJA OF, K C I E *b* 1880, descended from Rathore House of Kachi Baroda *m* thrice *Educ* Daly Coll, Indore, Hindi and Sanskrit poet, and keen student of science and ancient and modern philosophy, is entitled to a salute of 11 guns *s* by selection by Govt of India in default of direct issue, 1900. *Address* Ramnivas Palace, Sitamau, C I

SIVAGNANAM PILLAI, DEWAN BAHADUR SIR TINNEVELLY NELLAIIPPA, B A *b* 1st April 1861 *Educ* Madras Christian College. Service under Government, Retired as Dy. Collector, President, Dist Board, Tinnevely, 1920-1923 Minister of Development, Madras 1923-26 *Address* 77, North Car Street, Tinnevely

SIVASWAMI AYYAR, SIR P S, K C S I, 1915, C S I (1912), C I E (1908), Retd Member, Executive Council, Madras *b* 7 Feb 1864 *Educ* S P. G College, Tanjore, Government College, Kumbakonam, Presidency College, Madras, High Court Vakil, 1885, Asstt Professor, Law College, Madras, 1893-99, Joint Editor, Madras Law Journal, 1893-1907, first Indian Representative of the University of Madras in the Madras Legislative Council, 1904-07 Advocate General, 1907, Member of Executive Council, Madras, 1912-17, Vice-Chancellor, University of Madras, 1916-18, Vice-Chancellor of Benares Hindu University, 1918-19, Elected to the Indian Legislative Assembly by the districts of Tanjore and Trichinopoly, 1920, President of the Second and Ninth Sessions of the National Liberal Federation at Calcutta, 1919, and Akola, 1926 Member of the Indian Delegation at the Third Session of the Assembly of the League of Nations at Geneva, 1922, Nominated Member of the Indian Legislative

Assembly, 1924 *Publication* Indian Constitutional Problems (1928) *Address* Sudharma, Edward Elliot Road, Mylapore, Madras

SKEMP, FRANK WHITTINGHAM, M A, Manc, B A, Hist Honours (1900), Indian Civil Service Puisne Judge, Lahore High Court *b* 13 Dec 1880 *m* Dorothy Frazee *Educ* University of Manchester, Peterhouse Cambridge Joined ICS, (Punjab Commission) 1904, Officiating D C 1910-1913, Sessions Judge 1918-1927, Additional Judge, Lahore High Court 1927, Puisne Judge, 1933 *Publications* Multani Stories *Address* 24, Race Course Road, Lahore.

SLADE, GEORGE ERIC ROWLAND, B Sc (Lond), A M I C E, Controller of Stores, B. B & C I Railway *b* 26 Nov 1885 *m* Winifred E Reed *Educ* Cranleigh School and University College, London After practical training in England joined the B B & C I Railway, 1910, as Assistant Engineer, transferred to Stores Department, 1914 *Address* Pali Hill, Bandra

SLOAN, TENNANT, M A, C I E (1930), Joint Secretary, Home Department, Government of India *b* 9 November 1884 *m* Gladys Hope *d* of R Hope Robertson, Glasgow *Educ* Glasgow Academy, Glasgow University, and Christ Church, Oxford Joined Indian Civil Service, 1909 served as Assistant Magistrate and Collector, Assistant Settlement Officer, Under-Secretary to Government, Magistrate and Collector, Deputy Secretary and Secretary to Government in United Provinces and also as Under-Secretary, Deputy Secretary and Joint Secretary in Home Department of Government of India *Address* Home Department, Simla

SMITH, ARTHUR KIRKE, M A (Cambridge), Solicitor to Government of India, 1932 *b* 20th August 1878 *Educ* Charterhouse, Trinity College, Cambridge Articled to Freshfields, Solicitors, London, and admitted a Solicitor in 1903, joined Little & Co, Bombay, in 1908, Solicitor to Government and Public Prosecutor, Bombay, 1925-1932 *Address* Delhi and Simla

SMITH, SIR OSBORNE ARKELL, Kt (1928), K C I E (1932), Managing Governor, Imperial Bank of India, Calcutta *b* 26 December 1877 *m* Dorothy Lush *Educ* Sydney Grammar School Bank of New South Wales, Commonwealth Bank of Australia, and Imperial Bank of India *Address* 3, Theatre Road, Calcutta

SMITH, SIR THOMAS, Kt (1921), V. D (1914) Chevalier of the Order of the Crown (Belgium) (1919), Managing Director, Muir Mills Co, Ltd, Cawnpore *b* 28 Aug 1875 *m* Elsie Maude *d* of Sir Henry Edgard *r* 1907, 2 *s* 1 *d* Member of the Hunter Committee on Punjab disorders, 1919 Presdt, Upper India Chamber of Commerce, 1918-1921, Member, U. P. Leg. Council, 1918-26, Fellow of Allahabad University, 1913-22, Commandant, 16th Cawnpore Rifles, 1913-20 Representative of Employers in India at International Labour Conference, Geneva, 1925 *Address* Westfield, Cawnpore, and Merewood Virginia Water, Surrey

- Lahbitioner, King's College, 1922, Reginald John Smith Research Student, King's College, 1925, Supervisor in History, King's College 1925-26 Private Secretary to Sir Ernest Clark, K C B, 1926-28, Private Secretary to Sir Ernest Debenham, Bart, 1928-30 Appointed Deputy Director of Public Information with the Government of India in March 1930 On Special duty as Publicity Officer to the Indian Franchise Committee, 1932 Appointed Director of Public Information in August of that year, after having officiated in the post for a short period *Address* Home Department Government of India, Simla and New Delhi
- ST. J. PHILNIXON, Sir HUGH LANSDOWN, K C S I (1927) K C I L (1924) Governor of Burma since 1932 b 8 April 1871 m 1905 Mary Diphne, d of late John M. Mudlow, barrister *Educ* Westminster, Christ Church Oxford Entered Indian Civil Service 1895 Under Secretary to Govt of Bengal, 1899-1902, Registrar Calcutta High Court 1902 Acting Chief Secretary 1902, Private Secretary to Lieutenant Governor Secretary to the Board of Revenue, Calcutta Financial Secretary to Government of Bengal and additional Secretary, Member, Southborough Reform Committee, Chief Secretary 1920, member of Executive Council, Bengal 1922-27, Acting Governor of Bengal 1926 and 1930, Governor of Bihar and Orissa 1927-1932, Governor of Burma, since 1932 *Address* Governor's Camp, Burma
- STILL, CHARLES, C I E, Indigo Planter b 1849 *Educ* privately *Address* Sathi Factory, Chumprum
- STOKES, HOPETOUN GABRIEL, C S I, C I E, B A Member, Executive Council, Madras m Alice Henrietta d of the late Sir Henry Lawrence, Bart, Dec 1922 1st Member, Madras Board of Revenue, 1925, Dy Sec, Govt of India, Home Dept, 1908-11, Fin Dept, 1911-13 Fin Mem, Imp Delhi Committee, 1913-15, Priv Sec to Governor of Madras, 1915, Pol Ag, Banganapalli Madras, Secy to Madras Govt, Local and Municipal Dept, 1918-19, Administrative Adviser, Klagenfurt Plebiscite Commission, 1920, Member, Board of Revenue, Madras, 1921, Secy to Madras Govt, Development Dept, 1922, 3rd Member, Board of Revenue, Madras, 1924, Ch Secretary to Government of Madras, 1929 *Educ* Clifton, Oriel Coll, Oxford, Ent I C S, 1896 *Address* c/o Binny & Co, Madras
- STOW, VINCENT AUBREY STEWART, M A (Oxon), V D, *Litterae Humaniores*, (1906) (July 1931), Principal, Mayo College, Ajmer b 27 July 1883 m Marie Elinor Morier (1912) *Educ* Winchester Coll, and Exeter Coll, Oxford Asst Master, Marlborough Coll, 1906, appointed to Chiefs' Colleges cadre, I E S, 1907, Asst Master, Daly Coll, Indore, 1907, Principal, Rajkumar Coll, Rupur, 1912, I A R O, Active Service, M E F 1918, attached to Civil Administration, Iraq, 1919, Principal, Rajkumar Coll, Rupur, 1919, Principal, Mayo College, Ajmer, July 1931 *Publications* Educational Works *Address* Mayo College, Ajmer, Rajputana
- SUBBARAYAN, DE PARAMASIVA, M A, B C L (Oxon), LL D (Dublin) Zemindar of Kumaramangalam b 11 Sept 1889 m Radhabai Kudmal d of Rai Sahib K Rangarao of Mangalore Threes opened *Educ* Newington School, Madras, the Presidency and Madras Christian Colleges and Wadham College, Oxford Was Council Secretary for a few months in the first reformed Legislative Council has been a member of Madras Legislative Council representing South Central Landholders from 1920 Was a member of All India Congress Committee, in 1920 Was Chief Minister, Government of Madras, 1926-30 President Madras Olympic Association Indian Cricket Federation, Madras, and Madras Hockey Federation *Address* 'Iruchengodu', Salem, District "Fair laws," Igmore, Madras
- SUBILDAR MANG, B A (Bombay), Dakhin Fellow of the Liphinstone College, B Sc (Leo), London First Class honours in Public Finance, Banking and Currency, Barrister at Law Gray's Inn, 1912 Managing Director Acme Bala Trading Co Ltd *Educ* New, High School, Bombay, First in Matric from the School Liphinstone College, Bombay, James Taylor Scholar & Prizeman, London School of Economics London University, South Kensington, Gray's Inn Returned to India in 1914 Lecturer in Economics, Bombay University Professor of Economics Calcutta University Examiner for M A, Bombay and Calcutta Secretary, Sholapur Spinning and Weaving Mills Co, Ltd (1917) Secretary, Morarji Goolaldas Spinning and Weaving Mills Co, Ltd Managing Director, Western India Small Industries Corporation Ltd (1919), Partner, Lalji Nararji & Co, Managing Agents of Jupiter General Insurance Co, Ltd, Representative of the Indian Merchants Chamber on the Bombay Port Trust sent to England by the Government of India to give evidence on behalf of the Indian Commercial Community before the Babbington Smith Committee, Managing Agent of the Pioneer Rubber Co (1920) Director of the Peninsular Locomotive Co Ltd (1921), Managing Director Acme-Bala Trading Co, Ltd (1925), Representative of the Indian Merchants Chamber on the Advisory Board of the Development Department Wrote separate dissenting report on Back Bay Reclamation Scheme and also on Housing Scheme Representative of the Indian Merchants' Chamber on the Bombay Improvement Trust Committee, appointed member of the Indian Central Banking Enquiry Committee Official adviser in various matters of technical finance to the States of Mysore, Junagadh, Todhpur, and Cutch, Nominated by Government of Bombay to the Municipal Corporation (1930) Wrote separate Minority Report on the Indian Central Banking Enquiry Committee, 1931, Vice President, Indian Merchants' Chamber, 1932 *Address* Kodak House, Hornby Road, Fort, Bombay
- SUBRAHMANYAM, RAO BAHADUR CALAGA SUNDARAYYA, B A, B L, Landowner b Nov 1862 *Educ* Kumbakonam and Madras Presidency Colleges m Balambamma,

Civil Hospital, U P, 1929-30 Surgeon-General with the Government of Madras Publications Joint author of "A Guide to the use of Tuberculin," 1914, "Tuberculosis in Indians", "Moore's Family Medicine," 8th and 9th editions Address New Delhi

SRINIVASA IYENGAR b 11 Sept 1874 m a daughter of late Sir V Bhashyam Iyengar Educ Madura and Presidency College, Madras Vakil (1898) Advocate and Member, Madras Bar Council Member of Madras Senate 1912-16, President, Vakils' Association of Madras, President, Madras Social Reform Association, 1916-20, Fellow of the Madras University, Member, All-India Congress Committee, Member, Indian Legislative Assembly, Advocate-General, Madras, 1916-20, President, Indian National Congress, 1926-27 Publications "Law and Law Reform" (1909), Swaraj Constitution for India, 1927 Address Mylapore, Madras

SRINIVASA RAO, RAI BAHADUR PATRI VENKATA, B A, B L, High Court Vakil, Guntur, and Member, Legis Assembly. b 1877, m to d of Rao Bahadur Baru Ramanarsa Pantulu Garu Educ Town High School and Noble College, Masulipatam, and Christian Coll and Law Coll, Madras Joined Cocanada Bar, 1903, and Guntur Bar in 1906 Vice-President, Guntur Dist Board, for 6 years, was Municipal Councillor for some years, was member, Kistna Flood Committee, Secretary of the First Dt Congress Committee Address Guntur.

SRIVASTAVA, RAM CHANDPA, B Sc, Sugar Technologist to the Imperial Council of Agricultural Research, India b 10th Sept 1891 m to the late Radha Pyari Srivastava and again to Nawal Kishori Srivastava, Educ Muir Central College, Allahabad, Municipal School of Technology, Manchester, Royal Technical College, Glasgow and University College, London, Manager, Cawnpore Sugar Works Distillery, Manager, Behar Sugar Works, Pachrukhi, and Deputy Director of Industries, U P Address Civil Lines, Cawnpore

STANDLEY, ALFRED WILLIAM EVANS, Associate of Coopers Hill College, Member of Council of the Institution of Engineers (India), Chief Engineer and Secretary, P W D, Bikaner State b 20 Nov 1866 m Una d of H F D Bunington, I C S (retd) Educ Royal College of Mauritius and then at Royal Indian Engineering Coll, Coopers Hill Joined P W D in U P, Irrigation Branch, as Asstt Engineer in 1891, Construction of Gangao Dam, Upper E J Canal in 1895, services lent to Benares Municipality in 1896 as Resident Engineer for construction of drainage and sewerage and water-works Promoted Ex Engineer in 1899, services lent to Bikaner State, 1903-06, during which several irrigation schemes, water works and central electric power station were designed and constructed, also originated the investigation of the feasibility of irrigating the North tracts of the State from the Sutlej river which has eventually led to Bikaner getting a share of the water in the Sutlej Valley Project now under construction, Sanitary Engr to Govt,

U P in 1908 and 1909 Promoted to Superintending Engineer, 1912, and then Chief Engineer and Secretary to Government, P W D, Irrigation Branch, U P in 1918 and retired in 1921 Publications Papers on "Subsoil Percolation" and "Flood Absorption of Reservoirs" in the Journal of the Institution of Engineers (India), Vol II Address Bikaner, Rajputana

STANLEY, LIEUT-COLONEL RIGHT HON SIR GEORGE FREDERICK, P C (1927) G C I E (1929), C M G (1910), Governor of Madras (1929) b 14 October 1872 m 1903, Lady Beatrix Tylour, C B E, 1920, y d of Marquess of Headfort, one d Educ Wellington, Woolwich Entered R H A, 1893, Captain 1900, served S Africa, 1899-1900, European War 1914-18 (despatches, C M G), Adjutant, Hon Artillery Company, 1904-9, Controller of H M's Household, 1919, Financial Secretary to the War Office 1921-22, M P (C) Preston, 1910-22, Parliamentary Under-Secretary, Home Office, 1923-23, Parliamentary Secretary, Ministry of Pensions, 1924-29 Officiating Viceroy and Governor-General May-August 1934 Address Government House Madras

STEIN, SIR AUBEL, K C I E, Ph D, D Litt (Hon Oxon), D. Sc (Hon Camb), D O L (Hon. Punjab), Fellow, Brit Acad, Correspondant del' Institut de France, Gold Medalist, R Geogr Soc, R Asiatic Society, etc, Indian Archaeological Survey, Officer on special duty (retired) b Budapest, 26 Nov 1862 Educ Budapest and Dresden, studied Oriental Languages and Antiquities at Vienna and Tubingen Universities and in England, 1888-99 Principal, Oriental College and Registrar, Punjab University, app to I E S as Princ of Calcutta Madrasha, 1899 Inspector-General of Education, N W P and Baluchistan, 1904 Carried out archaeological explorations for Indian Govt, in Chinese Turkestan, 1900-1, and in C Asia and W China, 1906-08, transferred to Archaeological Survey, 1909, carried out geographical and archaeological explorations in C Asia and Persia, 1913-16, on N W Frontier and in Baluchistan, Kharan and Kalat, 1926-28, retired 1929 Explored in Persian Baluchistan, and in Persian Golf Coast, 1932-1933 Publications Kalhana's *Chronicle of the Kings of Kashmir* Sanskrit text, 1892, trans, with commentary, 2 vols 1900, *Sand buried Ruins of Khotan*, 1903-1921, *Ancient Khotan*, 1908 (2 vols), *Ruins of Desert Cathay*, 1912 (2 vols), *Serindia*, 1921 (5 vols), *The Thousand Buddhas*, *Memoir on Maps of Chinese Turkestan and Kansu* (2 vols), *Innermost Asia*, 1928 (4 vols), "On Alexander's Track to the Indus" On Ancient Central-Asian Track, 1932, and numerous papers on Indian and Central Asian Archaeology and Geography Address Srinagar, Kashmir, E I United Service Club, London

STEPHENS, IAN MELVILLE, Director of Public Information, Government of India b February 1903 Educ at Winchester (1916-21) and King's College, Cambridge (1921-26) Took 1st Class honours in the Natural Science Tripos, 1924, and 1st Class honours in the Historical Tripos, 1925

Vol XII Remarks on the Madras Species of Haplochilus read before the Indian Science Congress, 1915, Notes on the Fresh Water Fishes of Madras Records of Indian Museum, Vol XII, On the habits of Hilsa (*Clupea hilsa*) and their artificial propagation in the Coleroon Asiatic Society Journal, Vol XIII, 1917, The value of fish as natural enemies of mosquitoes in combating malaria, Leaflet issued by Fisheries Department A new genus of Lernæid fish parasite from Madras, read before the Science Congress, Nagpore, 1920, A new Copepod parasite from the gills of Wallago Attu, (Fisheries Bulletin 17), General Editor of the Madras Fisheries Bulletins since 1923, Littoral Fauna of Krusadai Island in the Gulf of Mannar (Madras Government Museum Bull. New Series, Natural History Section, Vol I, No I, 1927 Reports on Hydrozoa, (Siphonophora) Cirripedia, Amphipoda, (Caprellidae) Decapod (Paguridae) Pycnogonida and Appendix I The Vertebrate Fauna of Krusadai Island, Fish Statistics for 1925-26 (Fisheries Bulletin, No 22) for 1926-27 and 1927-28, Presidential Address—15th Indian Science Congress—Zoological Section, 1928, Systematic Survey of Deep Sea Fishing grounds by S T 'Lady Foschen' 1927-28 Report III of Fisheries Bulletin, No 23 and Article "Pisciculture" in Allahabad Farmer, November 1933 Address "Nowroj Gardens," Chetput, Madras

SURAJ SINGH, CAPTAIN BAHADUR, O B I, I O M Marshal of the Legislative Assembly b on Feb 1878 m Ratankour Educ under private tutors Entered army in 1893 as a private soldier, served in Somaliland 1903-04, mentioned for good service, Viceroy's Commission 1907 served as Indian Staff Officer of the Cavalry School, Saugor, 1910-14 and 1919-21, served on the staff of General Sir M F Remington, Commander of the Indian Cavalry Corps in France 1914-16, France to 1918, Egypt and Palestine to 1919, Afghan War 1919, retired on amalgamation of the Forces in 1921, granted hon rank of Captain 1923, apptd Marshal of Indian Legislative Assembly, 1921 Publications Khilat Marcus Aurelius (Thoughts of Marcus Aurelius in Urdu) Guide to Physical Training for Youths, Other Military books in 1901 1907 1910 and 1911 "Modern Saints of the Sikhs" Series, Vols I and II in Gurumukhi, 1927-1928 Address Kucha Khai, Katra Karam Singh, Amritsar

SURANA, SHUBHKARAN b 13th Aug 1896 m in 1910 and again in 1926 Senior Partner, Messrs Tejpal Bridgman, Calcutta Senior Member, Calcutta University Institute since 1918 Member Legislative Assembly (Bikaner State), 1928 Founder, 'Surana Library', Churu (Rajputana) Asst Secretary, Jain Swatambari Terapanthi Sabha Calcutta 1930 Hon Magistrate, Churu, 1931 Address 7/1, Aimanin Street, Calcutta, Churu (Rajputana)

SURUL, DADASAHEB APPASAHEB, Prime Minister of Kolhapur b 7th February 1903 m Kumari Shintadevi, d of the late Akojirao Nimbalkar, Inamdar of Nej Educ Baldwin High School, Bangalore Chief Secretary

to H H 1925 to 1929, Acting Dewan 1929-31 Appointed Dewan 1931 Prime Minister Jan 1932 Rao Saheb, 1930 Attended Indian Round Table Conference in London as Adviser to States' Delegation Address New Palace, Kolhapur

SUTHERLAND, LIEUT-COL DAVID WATERS, C I E, I M S (Retired) late Prof of Medicine, Med Coll, Lahore b Australia, 18 Dec 1871 m 1915, Princess Bamba Duleep Singh, d of late Maharaja Duleep Singh Educ Melbourne and Edinburgh Univ M D (Edin), M B C M (Edin), F R C P (Lond), F R S (Edin), Fell Roy Soc, Med, London Address 28, Jail Road, Lahore

SUTHERLAND, REV WILLIAM SINCLAIR M A, B D (Glasgow University), Kaiser-I-Hind Gold Medal (1930), Missionary Superintendent, Lady Willingdon Leper Settlement, Chingleput, S India b 15 July 1877, in Invernesshire, Scotland m Elsie Ruth Nicol M A of Melbourne, Australia Educ Garthill School, University of Glasgow and Theological College of the United Free Church of Scotland at Glasgow Missionary of the Church of Scotland in Chingleput District since 1905, appointed Supdt of Lady Willingdon Leper Settlement in 1925 Address Lady Willingdon Leper Settlement, Chingleput, S India

SWETACHALAPATHI R A M K R I S H N A RANGA RAO BAHADUR, SPI RAJAH RAYU, Rajah of Bobbili b 20 Feb 1901 Educ Bobbili, privately Ascended gadi in 1920, Member, Council of State, 1925-27, Member Madras Legislative Council, 1930 Hon A D C to H E the Governor of Madras from Jan 1930, Pro Chancellor, Andhra University from 1931 Address. Bobbili, Madras Presidency

SYED ABUL AAS Zamindar b 27th Sept 1880 m Bibi Noor-i-Ayesha Educ Govt City School, Patna, studied privately English, Arabic, Persian and Urdu has always taken keen interest in matters educational Apptd Hon Magte at Patna 1906, served 20 years as Hon Magte, 1906-26, elected member, Patna Municipal Board 1906 and 1909, elected member, Asiatic Society of Bengal, 1903 elected member of Bihar and Orissa Research Society, Nov 1916, member of Council of All-India Muslim League, Hon Asstt Secy, Bihar and Orissa Provincial Muslim League, Apptd Member of the proposed London Mosque Committee, 1911, apptd Member of the first Universal Race Congress held at Univ of London, 1911, joined Muslim Deputation which waited upon Lord Hardinge in 1914, elected Member of Aligarh Muslim University Assocn, 1914, elected Vice-Presidents of Bihar Students' Association and Anjuman-i-Islamia, Patna, 1914, served 2 years as Director, Bihar and Orissa Provincial Co operative Bank, Patna, 1917-18, nominated non-official member, Mental Hospital, Patna, 1923 Address Abulaas Lane, Bankipur, Patna

SYED, MOBINUR RAHMAN, B A, LL B, M R A S, F R S A (London), M L C, High Court Pleader, Akola, born at Saugor, 1893 educated at Aligarh and Allahabad, Senior

d of C Munakshaiya, Bar-at-Law and Judge in Mysore Practised as Vakil at Bellary, Chairman, Bellary Municipality, 1904-10 Vice-President, District Board, Bellary, 1911-1918 Member, Liberal League, Madras has taken interest in co operative work and social and political movements elected to the Legislative Assembly, 1920 Apptd President of Bench of Hon Magistrates, Mayavaram Town in 192, *Publications* Pamphlets on Bubonic Plague and Irrigation Problems of the Ceded Districts *Address* Mayavaram, S India

SUHRAWARDY, SIR, HASSAN, Kt (1932), Lt Colonel, I T F, O B E (1927), Kaisar-i-Hind Medal 1st Class (1930), L M S M D, F R C S, I, D P H, L M Rotunda Vice-Chancellor, Calcutta University Chief Medical Officer, (Indian State Rlys E B R Adminstrn) *b* Dacca, 17-11-1884 *s of* Moulana Obaidullah el Obaidy Suhrwardy, Pioneer of Anglo-Islamic Studies & Female Education in Bengal *m* Shahar Banu Begum, daughter of Hon Nawab Sied Mohamed of Dacca *d of one Educ* Dacca Madrasah, Dacca College, Calcutta Med College Postgraduate—Dublin, Edinburgh and London Member, Bengal Legislative Council 1921-24, Deputy President, 1923, Member, Beng Industrial Unrest Committee, 1921 Member, Court of Muslim Univ, Aligarh Member, Court & Execty Council, Dacca Univ Leader, Indian Delegation, British Empire Univ Congress, Edinburgh, 1931 President, Board of Studies, Arabic & Persian, President, Board of Studies, Medicine (C U) Commanding Officer, Calcutta University Corps Associate Officer of the Order of St John President, Bengal I T F Committee, 1922-25 Organising Member, Indian Field Ambulance Bays Water, London, 1914 (Founded by Mahatma Gandhi) Bengal Field Ambulance, 44th Bengal Regiment President & Founder, Servants of Humanity Society, Social Hygn & Uplift work Bengal Govt Delegate, British Empire Social Hygn Congress, London, 1927 First Class Honv Presidency Magistrate *Publications* Mother & Infant Welfare for India, Calcutta and Environs, Manual of Post Operative Treatment, Manual of First Aid for India, The Economic Effects of Venereal Diseases on Industries in India, Establishment of more Medical Schools in Bengal, Revival and Development of the Indigenous Tibbi System of Medicine Several pamphlets on Public Health and Social Hygiene propaganda *Address* 2, Belvedere Park, Alipore, Calcutta, India

SUHRAWARDY, SIR ZAHHADUR RAHIM ZAHID, M A, B L Kt, Bar-at-Law, President, Railway Rates Advisory Committee, Government of India, late Judge, Calcutta High Court *b* 1870 *Educ* Dacca and Calcutta *Address* 3, Wellesley 1st Lane, Calcutta

SUKHDEO PRSHAD, SIR B A, Rao Bahadur (1895), Gold Kaisar-i-Hind Medal (1901), C I E (1902), Knight Bachelor (1922) *b* March, 1862 *m* Mohan, *d of* Paramnath Hukho *Educ* at Agri College Settlement Ambala 1885, Judicial Secretary, Marwar 1886, Member of Council, 1887, Senior Member, 1901, Minister Marwar, 1908,

Chief Minister, Udaipur, 1914-18, Revenue Member, Regency Council, Marwar, 1919-21, officiated as Vice-President, 1920 Political Judicial and Finance Member, 1922 26 Musahib Ala, Udaipur, from 1930 A Sirdar of first rank with judicial powers in Marwar Holds three villages in Jagir of an annual rental of Rs 25,000 *Publications* Famine Report, 1899-1900, Origin of the Rathors, Agricultural Indebtedness *Address* Sukh Ashram, Jodhpur, (Rajputana)

SUKTHANKAR VISHNU SITARAM, M A (Cantab) Ph D (Berlin), Kaisar-i-Hind Medalist, Corresponding Member, Oriental Institute in Prague Czechoslovakia, Fellow Nowrosjee Wadia College, Poona Lecturer in the Post-graduate Department of the Bombay University *b* 4th May 1887 *m* Eleanora Bowing (died 6th Aug, 1926) *Educ* Maratha High School and S Xavier's College, Bombay, St John's College, Cambridge (England), and Berlin University Formerly Asstt Superintendent, Archaeological Survey, Western Circle, Secretary, Mahabharata Editorial Board of Bhandarkar Oriental Research Institute, Poona *Publications* Die Grammatik Sakatayanas, Leipzig, 1921, Vasavadatta, Oxford Univ Press, 1923, First Critical Edition of the Mahabharata, 1927, Studies in Bhasa, Epic Studies Contributor to Journal, American Or. Soc Ind Antiquary, Epigraphia Indica, Journal, Bombay Branch, Royal As Soc, Journal, German Or Soc, etc Editor-in-Chief Journal of the Bombay Branch Royal Asiatic Society *Address* Shantaram House, Malabar Hill, Bombay, and Bhandarkar Oriental Research Institute, Poona

SULTAN AHMAD KHAN SIRDAR SAHIBZADA, SIR, Kt (1932) MUNTAZIM-UD-DEULA, C I E (1924), M A, LL M (Cantab), Barrister-at-Law, son of Imtiaz-Ud-daula Nawab Ghulam Ahmad Khan Bahadur Ahmadi, Appeal Member since 1918 *b* 1864 *m* 1912 Lucy Pelling Hall, of Bristol *Educ* at the Aligarh Mahomedan Anglo Oriental College and Christ's College, Cambridge (called to the Bar at the Inner Temple, London, April 1894 B A, LL B, June 1894, M A and LL M (1909), was Chief Justice, Gwalior State, 1905 9, Law Member of Council, 1909 12, Finance Member, 1912-16, and Army Member, 1917, a Member of the Hunter Committee to inquire into causes of Disturbances in Delhi, Punjab, and Bombay, 1919 20 A delegate to the Round Table Conference, specially to represent Gwalior State, 1930 31 *Address* Gwalior, India

SUNDARA RAJ, DR B, M A, (Madras) Ph D, (Liverpool), Director of Fisheries Madras *b* 1888 *Educ* Madras and Liverpool Assistant to the Piscicultural Expert 1915, Asst Director of Fisheries, (Inland), 1920 *Publications* The occurrence of the Bank Myna, (Acridotheres ginginianus) near Madras, Bombay Natural History Society Journal, XXIII, Note on Trigon humilis, Mullu and Henle Records of the Indian Mus Vol X, Note on the Breeding of Chulo-eum, grscm, Mull and Henle Records of Indian Museum

TAGORE, ABANINDRA NATH, C I E., Zemindar of Sharidpur, Bengal, b 1871 *Educ* Sanskrit Coll, Calcutta, and at home Designed Memorial Address to Lady Curzon Casket presented to King by Corp of Calcutta 1911, principal work consists in reviving School of Indian Art *Address* 5 Dwarkanath Tagore's Lane, Calcutta

TAGORE, MAHARAJA BAHADUR SIR PRODYOT GOOMAR, KT b 17 September 1873, *Educ* Hindu Sch, Calcutta afterwards privately Sheriff of Calcutta, 1909, Trustee, Victoria Mem Hall, Trustee, Indian Museum Fellow, Royal Photographic Society of Great Britain Mem of Asiatic Soc of Bengal, formerly Mem, Bengal Council *Address* Tagore Castle, Calcutta

TAGORE, SIR RABINDRANATH, KT, D Lit (Calcutta Univ), b 1861 *Educ* privately Lived at Calcutta first, went to country at age of 2- to take charge of his father's estates, there he wrote many of his works, at age of 40 founded school at Santiniketan, Bolpur, in 1921, this has been his life work ever since, visited England 1912, and translated some of his Bengali works into English, Nobel Prize for Literature, 1913 *Publications* In Bengali about 35 political works, dramas, operas about 38, Story books Novels 19, over 50 collections of Essays on Literature, Art, Religion and other subjects and composed over 3000 songs published periodically in small collections with notations In English—Gitanjali, 1912, The Gardener, 1913 The Crescent Moon, 1913 Chitra, 1913 The King of the Dark Chamber, 1914 Post Office, 1914 Sadhana, 1914 Kabir's Poems, 1915 Fruit-Gathering, 1916 Hungry Stones and other Stories, 1916 Stray Birds, 1916 My Reminiscences, 1917 Sacrifice and other Plays, 1917 The Cycle of Spring, 1917 Personality, 1917, Nationalism, 1917 Lover's Gift and Crossing, 1918 Mashu and other Stories, 1918 Stories from Tagore, 1918 The Parrot's Training, 1918 The Home and the World, 1918, Gitanjali and Fruit-Gathering 1919, The Fugitive, 1921 The Wreck, 1921, Glances of Bengal, 1921 Thought Relics 1921 Creative Unity, 1922 Greater India 1923 Gora, 1924 Letters from Abroad 1923 Red Oleanders, 1924 Talks in China, 1924 Broken Ties, 1924 Red Oleanders, a drama, 1925, Fireflies, 1928, Letters to a Friend (Unwin) 1929, Thoughts from Tagore (Macmillan), 1929, The Tagore Birthday Book, 1929 Contributes regularly to the Viswa, Bharati Quarterly issued from Santiniketan *Address* Santiniketan, Bolpur

TAIRSEE, LAKHMIDAS ROWJEE (See Lakhmidas)

TAMBE, SHRIPAD BALWANT, B A, LL B, b 8 Dec 1875 *Educ* Jabalpur (Hitharini School), Amraoti, Anglo Vernacular and High School and Bombay Elphinstone College and Govt Law School Reader at Amraoti, Member and Vice-President of Amraoti Town Municipal Committee President, Provincial Congress Committee, Member, C P Legis Council 1917-1920 and 1924, President, C P Legis Council, March 1925

Home Member, Central Provinces Government Ag Governor, Central Provinces, 1929 Member, Indian Franchise Committee, 1932 *Address* Nagpur, C P

TANNAN, MOHAN LAL, M Com (Birm), Barrister-at-Law, I C S, I P, Principal, Sydenham College of Commerce and Economics, Bombay on deputation to the Government of India, Commerce Department, as Secretary, Indian Accountancy Board and Under Secretary b 2 May 1885 m Miss C Chopra *Educ* at Govt High School, Gujrat, Iorman Christian Coll, Lahore, and the University of Birmingham Official Liquidator of the Industrial Bank of India, Ltd, in liquidation and the Jt Official Liquidator, the Indian Army Uniforms Supplying Co, Ltd, in liquidation (both of Ludhiana, Punjab) President, 10th Indian Economic Conference, 1927 Vice President, the Indian Economic Society, 1921-23, Member of the Finance Sub Committee of the Indian Merchants' Chamber and Bureau, Bombay (1921-22), Syndic of the Bombay University, 1923 24 to 1927-28, Secretary, Accountancy Diploma Board, Bombay, from 1st March 1923, Director, Bombay Central Co-operative Bank, Ltd, Bombay, 1924 Member Council Indian Institute of Bankers Member, Auditors' Council, Bombay Principal and Prof of Banking, the Sydenham Coll of Commerce and Economics, Bombay Chairman, Ex Committee of the Seventh Indian Economic Confee (Bombay) *Publications* "Banking Law and Practice in India," Indian Currency and Banking Problems" jointly with Prof K T Shah, B A (Bom), B Sc (Econ), London and several pamphlets such as the "Banking Needs of India," "Indian Currency and the War, Regulation of Banks in India, etc *Address* Commerce Department, Government of India, Simla and New Delhi

TAYLOR, JAMES BRAID M A, Barrister-at-Law (Lincoln's Inn), C I E (1932), Additional Secretary, Finance Department, Government of India b 21 April 1891 m Betty Coles *Educ* Edinburgh Academy and University Indian Civil Service, 1914, Under Secretary, Central Provinces Government, 1920, Commerce Department, Government of India, 1920 22, Deputy Controller of Currency, Calcutta, 1924, Bombay 1925 *Address* Government of India, New Delhi

TEHRI, MAJOR, H H RAJA SIR NARENDRA SHAH SAHEB BAHADUR, K C S I, of Tehri-Garhwal State b 3 Aug 1898 m 1916 Heir-apparent born 1921 Succeeded 1913 *Educ* Mayo College, Ajmer *Address* Narendra-nagar, (Tehri-Garhwal State)

TEMPLE, LIEUT-COL HON COL FREDERICK CHARLES M Inst C E, C I E, (1931) V D, A D C, M I C E, M I M E, District Grand Secretary, District Grand Lodge of Bengal b 25 June 1879 m Francis Mary Copleston *Educ* Rugby School and Balliol College Oxford Asst Engineer, Birmingham Welsh Waterworks, Military Works Services, India, Punjab Canals, District Engineer, Muzaffarpur, Superintending Engineer, Public Health, Bihar and Orissa Chief Town Engineer and

Vice-President, Akola Municipal Board (the premier Municipality of Berar), 1925-1928, Officer-in-Charge of the Akola Municipality 1928, Chairman, School Board, Akola Municipality, 1925-1927, Member, Governing Body, Government High School, Akola, (1928-30), Member, C P Legislative Council since 1926, nominated to the Panel of Chairman, C P Council, Deputy Leader, Democratic Party, (Majority Party) C P Legislative Council (1928), Member, Governing Body C P and Berar, Literary Academy, Member, Executive Council, All-India Muslim League and All-India Muslim Conference, President, President several Anjuman and Political Organizations in Berar, Member, Central Khilafat Committee, some time Hon Editor, the *Al-Haq*, Nagpur, Member Historical Records Commission, (1928), Chairman, Reception Committee, Berar Muslim Educational Conference, (1928), President, C P and Berar All Parties Muslim Conference, 1928, President Muslim Education Society, Akola re-elected Senior Vice President, Akola Municipality, 1932, Member Governing Body, King Edward Memorial Society of C P and Berar A Constant Contributor to several leading journals in India and England Selected by Government to give evidence before Lothian Committee on behalf of Mussalmans of Berar (1932) Member C P Educational Service Selection Committee, Member Standing Committee on Education C P Council, Member several select Committees C P Council, *Publications* "Mirat-ul-Berar" and "Nighadasht Atrai," etc
Address Akola

SYED MUHAMMAD SA'ADULLA THE HON M A, (Chemistry) 1906, B L 1907 Finance Member, Assam Government *b* May 1886 *Educ* Cotton College, Gauhati, Assam (F A), Presidency College, Calcutta (M A), Ripon College, Calcutta (B L) Asst Lecturer in Chemistry Cotton College, Gauhati, 1908, Practised as a lawyer in Gauhati courts, 1909-19, in the Calcutta High Court, 1920-24, Member, Assam Legislative Council, 1913-20, again since 1923, Minister, Assam Government in charge of Education and Agriculture 1924-29, Member, Executive Council, Assam Government in charge of Law and Order and P W D, 1929-30 Member in charge of Finance and Law and Order since November 30 *Address* Gauhati, Assam, Shillong, Assam

SYED, SIRDAR ALI KHAN created Nawab Sirdar Nizawaz Jung Bahadur, 1921, Postmaster General of H E H the Nizam's Dominions, 1922-1929 (retired) *b* 26th March 1879 eldest surviving *s* of late Nawab Sirdar Diler Jung Sirdar Diler-ud-Dowla, Sirdar Diler ul-Mulk Bahadur, C I E, some time Home Secretary at Hyderabad *m* 1896, *s* *s* two *d* *Educ*, privately Entered the Nizam's service, 1911 has held several responsible positions, including the Commissionership of Gulburga Province, presented Georgian and Queen Mary Historical Furniture to the National Collection at Victoria Memorial Hall, Calcutta, 1908 *Publications* Lord Curzon's Administration of India, 1905, Unrest in India, 1907, Historical Furniture, 1908, India of To day,

1908, Linc or Lord Morley, 1923, The Earl of Reading, 1924 British India, 1926, The Indian Moslems, 1928, contributions to the English and Indian Press with regard to the Indian political situation *Address* Hyderabad, Deccan

SYED RAZA ALI, C B E Member, Public Service Commission (1926), B A, LL B (Allahabad Univ) *b* 29 April 1882 *m* *d* of his mother's first cousin *Educ* Government High School, Moradabad and Mahomedan College, Aligarh Started practice at Moradabad in 1908 and was a radical in politics, returned to U P Legis Council 1912, took prominent part in Cawnpore Mosque agitation, elected Trustee of Aligarh College gave evidence before Islington Commission and Southborough Committee, returned unopposed to U P Council in 1916 and 1920, was one of those responsible for introducing separate Moslem representation in Municipal Boards in U P, took active part in negotiating the Congress League Compact in 1916, same year settled at Allahabad, identified himself with Swaraj and Khilafat movements but strongly differing from non-co operation programme, became independent in politics 1920, member of Council of State 1921-1926, elected member of Delhi University Court, was member of North West Inquiry Committee and signed majority report, headed two deputations of Moslem members of Indian Legislature to Viceroy in 1922 and 1923 in connection with Turkish question, gave non-party evidence before Reforms Inquiry Committee in 1924, President, All-India Moslem League, Bombay Session, Decr 1924 Member, Govt of India's Deputation to South Africa (1925-1926) Substitute Delegate Government of India's Delegation to Assembly of League of Nations, Geneva, 1929 *Publications* Essays on Moslem Questions (1912), "My Impressions of Soviet Russia," (1930) *Address* Delhi and Simla

SYEDNA TAHER SAIFUDDIN SAHEB, His HOLINESS SARDAR (Mullaji Sahab), High Priest of Dawoodi Bohra Shia Mahomedan community and First Class Sirdar of Deccan Fifty-first incumbent of the post of Dru-ut Mutlag, which has been in existence for nearly 900 years having been founded in Yemen where his predecessors were once Sultans They have enjoyed many privileges and received high honours from various Ruling Princes in India from time to time and also from the British Government *Address* Surat, and Saifi Mahal, Malabar Hill, Bombay

SYMNS, JOHN MONTEFORT, M A, I E S Director of Public Instruction Burma *b* Jan 11th, 1879 *Educ* Aldenham School (Junior and Senior Platt Scholar) Gonville and Caius College Cambridge, (Open Classical exhibitioner) Major, Army Head Quarters, Simla and Delhi during the War Appointed Burma Commissioner for British Empire Exhibition Wembley *Publications* Horace in Burma The Pagoda and the Poet The Mark of the East Songs of a Desert Optimist J M S of Punch *Address* Rangoon

Downing College, Cambridge. Praegled in
the Bombay High Court Address: Marzbani-
bul, Amherst

1. **YALDEN-PATHINSON, ARTHUR I PIC, Agent,**
G I P Railway, Bombay b 15 Nov 1889
m Dorothy Margaret McIver *Idur* "Greshams Holt Norfolk Had three years' training, Great Northern Railway, England, joined as probationer in Traffic Dept of G I P Railway in 1908, was in charge of Gwalior Light Railway and subsequently worked as District Traffic Superintendent, G I P. Was Civils Superintendent from 1922 to 1924 officiated as Deputy Traffic Manager and from 1925 to 1927 was Officiating Chief Traffic Manager, in 1928 was selected by Railway Board to organise the new department of State Railways Publicity and was Chief Publicity Officer, in 1929 he went on deputation to Europe and America to supervise the inauguration of extensive publicity schemes on behalf of Indian Railways, in March 1930 was appointed Chief Transportation Superintendent and in 1931 was made Agent *Address* "Glenogle", Mount Pleasant Poud, Malabar Hill, Bombay

13 MMS, 1 FEBRUARY, MC (1916). Chevallier, Order de la Couronne (1917), Belgian croix de Guerre (1917), Associate Fellow of the Royal Aeronautical Society, Director of Civil Aviation in India b 4 August 1889 Home Civil Service, South Lancas hire Regiment, Royal Flying Corps and Royal Air Force during war, Air Ministry Civil Aviation Department, 1919 Air Ministry Superintendent of the Cairo-Karachi Air Route, 1927 Chief Technical Assistant, Civil Aviation Department, 1928, Director, Civil Aviation, India 1931 *Publications:* Part author "Commercial Air Transport," 1926, "Flying for Air Survey Photography," Scientific papers on Air Navigation and Air Routes for Royal Aeronautical Society Address Simla and Delhi

1. **HAJ SINGH, SARDAR, M A (Punjab)**
Landlord and Millowner b 27 Dec 1895
Educ Govt College, Lahore Went to
England in 1920 as member of Sikh Deputation
to press the claims of the Sikh community
before the joint Parliamentary Committee,
has been member of Shromani Gurdwara
Committee since 1927, Punjab Legislative
Khalsa College (Punjab) (1927-28)
Committee Member, All India Cotton Goods
Committee and Provincial Cotton Committee
since 1925, elected member, Punjab Legis
Council, was member and Hon Secre
tary of Punjab Simon Committee which
co operated with the Simon Commission, ser
ved on Punjab Unemployment Committee,
Hydro-Electric Enquiry Committee,
Punjab Retrenchment Committee, Punjab
Compulsory Primary Education Committee,
Presided over Non-Government Schools
Conference, Punjab, 1928, was selected
delegate for Round Table Conference, 1930,
served on Federal Structure Committee,
on the Business Committee of the Round
Table Conference, was invited in 1931 to
attend meetings of Federal Structure Commit
tee and Minorities Committee of the R T

TYABJI, HUSAIN BADRUDDIN, M A (Honours), LL M (Honours), Cantab 1896, Bar-at-Law, Second Judge, Presidency Court of Small Causes, Bombay Acted Chief Judge Retired *b* 11 October 1873 *m* Miss Nazar Mohammad Fatehally Educ Anjuman-e-Islam, Bombay, St Xavier's School and College,

Administrator, Tanjeshpur Publications
"Manual for Young Engineers in India,"
and "Sewage Works" Address 10 Park
Street, Calcutta

THAKORRAM KAPILRAM, DIWAN BAHADUR
B A, LL B, CIE, Vakil High Court and
Dist Govt Pleader and Public Prosecutor
b. 16 April 1868 m Ratnagar, d of Keshavrai
Amritrai Educ at Bhavnagar, Alfred High
School and Elphinstone College, Bombay
Apptd teacher in Govt Sorabji T High
School of Surat and began practice at Surat
in 1894 Entered Municipality in 1904 be-
came Chairman Schools Committee 1907-
1909 and 1911 and Chairman, Managing Com-
mittee in 1908 and 1917-18 Vice-President
of the Municipality in 1911 to 1914 and
President in 1914-17 and again in 1928 for
the triennium 1928-31 Appointed Chairman
Committee of Management in 1922-25
Chairman of School Board in 1925 and again
in 1931 and 1932 Chairman of the Rajchand
Deepchand Girls School Committee, the
Chairman of the Peoples Co-operative Bank
Ltd, Appointed a member of the Pratt
Committee and witness before the Royal
Reforms Commission 1919 Vice President,
Surat Sarvajit Education Society,
1927-28 Government Advocate in the
Bardoli Inquiry, 1931 Member of the
Managing Committee of Andrews Library
since 1898 and President of the Home
for Destitute children since 1921, admitted
as an Advocate O S 1931 Address Athwa
Lane, Surat

THAKUR, RAO BAHADUR KASHINATH KRSHAY,
ISO, Sen Div and Sess Judge, Nagpur
since 1911, b 15 Feb 1860 Educ Saugor
and Jabulpore H S, Muir Central Coll,
Allahabad Address Nagpur

THULRAI, TALQADAR OI, RANA SRI SHIOU
SINGH BAHADUR OI KHAJURGAON, KCIL
Rai Bareilly District b 1865 m 1st, d of
Babu Amarjit Singh, n b of the Raja of
Majhoul, 2nd d of Raja Somesurdatt Singh
a Raja of Kundwar 3rd d of the Raja of
Bijnor District Educ Govt H S, Rai
Bareilly S father 1897, descended from
King Salivahan, whose Sumrat Lra is current
in India Her Kunwar Lal Lma Nitt
Singh Bahadur Address Thulrai,
Khajurgaoon

TODHUNTER, SIR CHARLES GEORGE, KCSI
(1921), Fellow of the Royal Statistical
and Royal Historical Societies b 16 Feb
1869 Educ Aldenham Sch and
King's Coll, Cambridge, Members' prizeman,
Cambridge University, 1888 m Alice,
OBE, KCH d of Captain C Losack, 93rd
Highlanders Served in ICS, Madras, also
conducted special inquiries into Customs and
Excise matters in Kashmir, the CP and CI
States Sec, Indian Excise Committee, 1906,
IG of Excise and Salt to the Govt of India
1909-1910 President, Life Saving Appliances
Committee, 1913, Secretary to Govt of
Madras, 1915; Member of Board of Revenue,
1916 Member of Executive Council, 1919-21
President, Indian Taxation Enquiry Commit-
tee, 1924-25, Member, Council of State, 1926,
Private Secretary to H H the Maharaja of
Mysore, Address Vasantha Mahall, Mysore

TONK, H H SAID-UD-DAULA, WAZIR-UL-MULK,
Nawab Haifi Muhammad Syadat Ali Khan
Bahadur Sulat Jang b 1879, s 1930
State has area of 16,34,061 acres and
population of 317,360 Address Tonk,
Rajputana

TOTTENHAM, GEORGE RICHARD FREDRICK,
CIL (1930), Secretary, Army Department,
Government of India b Nov 18, 1890,
m Hazel Joyce 2nd d of the late Major
Gwynne, R W Insrs Educ Hurrow
and New College, Oxford Joined ICS
in 1914, served in Madras Presidency as
Asst Collr and Sub Collr and as Under
and Dy Secretary to Govt till April
1924, with Army Department of Govt
of India, as officer on special duty, Dy
Secretary and Secretary since 1929 except
for one year with Govt of Madras as
Retrenchment Secretary, 1931-32 Address
C/o Messrs Grindlay & Co, Ltd, 51, Parlia-
ment Street, London, S W 1

TRAVANCORE AND COCHIN, SOUTH INDIA,
Bishop in, Rt Rev E A L MOORI, MA
b Nov 13, 1870 Educ Marlborough Coll,
and at Oriel Coll, Oxford Curate at Aston,
Birmingham, 1894-96, Missionary of the
CMS in S India from November 1896, CMS
S Divinity School, Madras, 1896-1914 CMS
College, Kottayam, 1902-1903 Chairman
CMS, District Council, Linnevelly, 1915-1921
Consecrated Bishop on 24 Feb 1925 Address
Bishop's House, Kottayam

TRAVLERS, SH (WAITII) LANCIOT, Kt,
cr 1931, CIL 1925, OBI 1918, s of
Walter Benward Travers and g s of Rev T B
Travers, Mumb, Alford and Liffeld Lodge,
near Exeter, b 1880, unmarried Educ
Alford, Lincolnshire Manager and Inspector
of tea gardens in North India since 1900,
Chairman, Doors Planters Association,
1914-20, Vice Chairman, 1921-25, member
of many committees associated with tea
industry, Member Jalpaiguri District Board,
1914-25, Member Bengal Legislative Council,
1920-31, Leader, British Party on Council,
President, European Association, 1920 and
1930, Capt Northern Bengal Mounted
Rifles, associated with many War Committees,
etc twice received mention by Commander-
in-Chief Recreation shooting Address
Baradighi, Jalpaiguri

TRENCH, WILLIAM LAUNCIOT CROSBY, BA,
M Inst CIL, Chief Engineer PWD b 22
July 1881, m Margaret Zephania Huddleston
Educ at Leys School and Dublin University,
Indian Service of Engineers Address
Chief Engineer in Sind, Karachi, (Sind)

TUBBS, THE RIGHT REV DR NORMAN HENRY,
Classical Tripos, (1900), Theological Tripos,
(1902), MA (1905), DD (Hon cusi),
1923, Cambridge University, Bishop of
Rangoon b 5th July 1879 m Norah
Llesita Lunt d of Prebendary Lunt, Wilcot,
Bath Educ Highgate School and Camb
University Curate, Whitechapel, 1903-05,
Church Missionary Society, UP 1090-17
Principal of Bishop's College, and Hon
Secretary, S P G, Calcutta, 1917-23, Bishop
of Tinnevely, 1923-28, Bishop of Rangoon
since 1928 Address Bishops court, Rangoon

College in 1925, and Superintendent, T T Hospital in 1926 *Address* 3 Rocky Hill Flats, Land's End Road, Malabar Hill, Bombay

VELINKER, SHRIKRISHNA GUNAJI, B A, LL B (Bombay), I P (1903) Holder of Certificate of Honour, Council of Legal Education, Trinity (1909), of the Honourable Society of Lincoln's Inn, Bar at-Law, Trinity, (1909) *b* 12 April 1868 *m* to Prabhavati Bai, *d* of Rao Bahadur Mahund Ramchander, Executive Engr, Bombay *Educ* St Xavier's College, Bombay. Enrolled as pleader, High Court, Bombay, in January 1893, called to the Bar in June 1909. In prominent practice in the High Court at Bombay and criminal courts of the Presidency. One of the Commissioners appointed under the Defence of India Act to try culprits in Ahmedabad and Viramgam arson and murder cases, 1919, President, Tribunal of Appeal under City of Bombay Improvement Act, Sept 1921 to April 1923. Elected Member, Bombay Bar Council, since 1931. Secy, P T Hindu Gymkhana, 1897-1908. *Publication* Law of Gaming and Wagering and the Law of Compulsory Land Acquisition and Compensation. *Address* Ratan House, 425, Lamington Road (South), Bombay

VENKATA, RADDI SRI KURMA, Kt, B A, Member of the Executive Council, Madras Government *b* 1875 *m* R Laxmi Kantamma *Educ* Arts College, Rajahmundry, Madras Christian College, and Madras Law College. Led the non-Brahmin deputation to the Joint Parliamentary Committee on Indian Constitutional Reforms in 1919, Member of the Imperial Legislative Council, 1920, Minister of Agriculture and Industries to the Madras Government, 1920-23, Member of the Madras Legislative Council, 1920-26, Member of the Senate of the Madras University, 1924-26, Member of the Syndicate of the Andhra University, 1924-26, appointed Indian Delegate to the League Assembly at Geneva, 1928, and Agent to the Government of India in S Africa, 1929-32, Member of Executive Council of the Governor of Madras, 1934. *Address* Secretariat, Madras

VENKATASUBBA RAO, THE HON MR JUSTICE M, B A, B L Judge High Court, Madras *b* 18 July 1878 *Educ* Free Church Mission Institution, Madras Christian College and Madras Law College. Was enrolled High Court Vakil in 1903, Practised from 1903-1921 in partnership with Mr V Radhakrishnaia under the firm name of Messrs Venkatasubba Rao and Radhakrishnaia. Had a large and leading practice on the Original Side of the High Court. Election Commissioner, 1921-22, apptd to the High Court Bench 17 Nov 1921. President, Annapada Samajam. The Madras Seva Sadan, and Dist Scout Council, Vice-President, Provincial Scout Council. *Address* Spur Tank Houses, Spur Tank Road, Egmore, P O, Madras

VERRIERES, ALBERT CLAUDE, C I E Joint Chief Engineer (1920), P W D *m* 1899, Mabel

Blanche, *d* of the late Francis Moore. *Educ* St. Peter's Coll Agr, Thomarpon Civil Engineering Coll, Roorkee Int P W D, 1893, Under Secy to Govt, P W D, Nainital, 1911-14, Ldg Eng, Dehra Dun, 1915-16, Supdtg Eng, 1916-18, Sanitary Eng, 1918-19, Offg Chief Engineer, United Provinces, 1920-21. *Address* "Dar-ul Shafa", Lucknow

VIEIRA DE CASTRO, MOST REV THEOTONIUS MANOEL RIBEIRO, D D, D C L, R C Bishop of San Thome de Malapora since 1909 1923, Archbishop of Goa and Patriarch of the East Indies since 1929 *b* Oporto, 1859 *Educ* Gregorian Uni, Rome. *Address* Nova Goa

VIJAYARAGHAVACHARYA, DIWAN BAHADUR SH T, K B L (1926), Vice Chairman, Imperial Council of Agricultural Research from 1929 *b* August 1875 *Educ* Presidency College, Madras. Joined Provincial Service, 1898, Revenue Officer, Madras Corporation, from 1912 to 1917, Secretary to the Board of Revenue, 1917-18. Director of Land Records, 1918, Deputy Director of Industries, 1918-19, Diwan of Cochin 1919-22, Collector and District Magistrate, 1920. Commissioner for India, British Empire Exhibition, 1922-23, Member, Legislative Assembly, 1925-26. Director of Industries, 1926, also Director of Fisheries, 1926, opened Canadian National Exhibition, August 1926, Member, Public Service Commission, 1926-29. *Address* Simla

VIRA-VALA, DAI HAI SHI, Political Secretary, Rajkot State since October 1931 *b* 29 January, 1888 *Educ* at Rajkumar College, Rajkot. Wing Master Rajkumar College, Adviser to the Thakore Saheb, Chuda, Deputy Political Agent, Palanpur, Manager, Lathi State, Dewan, Porbandar State, Dewan, Junagadh State. District Deputy Political Agent, Rewa Kantha, up to 1st April 1927. Huzur Personal Assistant to His Highness the Thakore Saheb of Rajkot up to October 1931. *Address* Bagasra, Kathiawar

VISVESVARAYA, SIR MOKSHAGUNDUM, K C I E, LL D, D Sc, M I C E, late Dewan of Mysore *b* 15 Sept 1861 *Educ* Central Coll, Bangalore, and Coll of Science, Poona. Asst Engineer, P W D, Bombay, 1884, Supdt Eng, 1904, retired from Bombay Govt Service, 1908. Apptd Sp Consulting Eng to Nizam's Govt, 1909, Ch Eng and Sec, P W and Ry Depts, Govt of Mysore, 1909, Dewan of Mysore, 1912-1918. Chairman, Bombay Technical and Industrial Education Committee (appointed by the Government of Bombay), 1921-22, Member, New Capital Enquiry Committee, Delhi, 1922, Retrenchment Adviser to the Bombay Municipal Corporation, 1924, Chairman, Indian Economic Enquiry Committee (appointed by the Government of India), 1925, Member, Bombay Back Bay Inquiry Committee (appointed by the Government of India), 1926. Toured round the world in 1919-20 and has also otherwise travelled extensively. *Publication* "Recon-

Conference Presided over Punjab Sikh Political Conference 1932, was appointed Member, Consultative Committee, 1932, Presided over Sikh Youths Conference 1933
Address Mianchanu, Punjab

UMAR HAYAT KHAN TIWANA, THE HON. COLONEL NAWAB RANA MALIK, SIR, K C I L C B E, M V O, Member, Council of State Member of the Council of the Secretary of State for India, Landlord b 1871 Educ Aitchison Chiefs College Lahore, was given Hon Commission in 18th K G O, attended King Edward's Coronation Durbar at Delhi, served in Somaliland joined Tibet Expedition, was attached to the late Ameer of Afghanistan attended King George's Coronation Durbar at Delhi, saw active service in the world war in France and Mesopotamia Mons Star 1914 Member Provincial Recruiting Board, represented Punjab Delhi War Conference in 1918, served in the 3rd Kabul War (mentioned in despatches), made Colonel, Member, Esher Committee, 1920, has been President of the National Horse Breeding and Show Society of India Address Kaira, Dist Shahpur, Punjab

URQUHART DR WILLIAM SPRINGER, M A, D Litt (Abern), D D (Hon Abern) Doctor of Law, D L (Hon Calcutta), Vice Chancellor, Calcutta University, 1928-1930 Principal, Scottish Church College since 1928 b 1877 m Margaret Macaskill, d of Rev Murdoch Macaskill, Dingwall Educ Aberdeen University, New College, Edinburgh, Marburg University, Göttingen University, Professor of Philosophy, Duff College, Calcutta, 1902 Scottish Churches College, 1908, Member, Indian Universities Congress, 1924 and 1929 Dean of the Faculty of Arts, Calcutta University, 1927 and 1931, Vice Chancellor, Calcutta University, 8th August 1928 to Aug 7th, 1930, Chairman of the Inter-University Board, India, 1931-32 Principal, Scottish Church College, since 1928 Publications The Historical and the Eternal Christ, (1916), Pantheism and the Value of Life, (1919), Theosophy and Christian Thought, (1922), Vedānta and Modern Thought, (1928), Contributor to Encyclopedia of Religion and Ethics Address Principal's House, Scottish Church College, Calcutta

USMAN, THE HON SIR MAHOMED, K C I E (1933) BA, Vice-President of the Executive Council, Madras b 1884 m d of Shifa-ul-Mulk Zynulabudin Sahib Bahadur, BA Educ Madras Christian College Councillor, Corporation of Madras, 1913-1925 Hon Pres Magte, 1916-20, Fellow of the Madras University Member, Town Planning Trust, 1921-25, Chairman of Committee on Indigenous Systems of Medicine, 1921-23, Member Publicity Board, 1918 and 1921-22 President, Muthialpet Muslim Anjuman, Madras, President, Board of Visitors to the Govt Mahomedan Coll and Hon Visitor, Government School of Arts and Crafts, 1923-25, Member, Madras Excise Licensing Board, 1922-25 Gave evidence before the Reforms Committees and the Jail Committee Elected Member, Madras Legis

Council, 1921-23, Sheriff of Madras (1924), President of the Corporation of Madras, 1924-25 President, Madras Children's Aid Society, 1926-28, President Madras Discharged Prisoners' Aid Society, 1925-1928 Chairman, H R H The Prince of Wales' Children's Hospital Fund Chairman the British Empire Leprosy Relief Association Madras, 1925 President, Mahomedan Educational Association of Southern India Khar Sahib, 1920, Khan Bahadur, 1921, Kaur-i-Hind Second Class 1923 Knighted, 1928 K C I L (1933) Officiating Governor of Madras May-August 1933 Address Teynampet Gardens, Teynampet, Madras

VACHHA, JAMSHI DAI BEJANI, Khan Bahadur BA, B SC, C I E, Commissioner of Income Tax Bombay Presidency b 26 May 1879 m Roshan Ardashir Karanjawalla, BA Educ Alphonstone College, Bombay Entered Government Service as Deputy Collector, 1902 Publications The Bombay Income Tax Manual Address Banoo Mansion, Cumballa Hill, Bombay

VAIL, CHARLES EDWARD, BA, M D, F A C S, K I H (Silver), 1930, K I H (Gold), 1932 Medical Missionary b July 11, 1880 m Elizabeth Crane Educ Blair Hall Academy, Blairistoun, N Y, U S A Princeton University, Princeton N Y, Columbia Univ, School of Tropical Medicine, London American Presbyterian Mission Hospital, Miraj, S M C, since 1910 Publications Arthroplasty of the Elbow joint Gastro enterostomy under local anaesthesia, Acute Intestinal Obstruction, Cystic Extraction Address Mission Hospital, Miraj, S M C

VAUX, MAJOR HENRY GEORGE, C S I (1928), C I E (1921), M V O (1922), Military Secretary to the Governor of Bombay b 1883 m The Baroness Edna von Stockhausen, (American), 1915 Educ, St Lawrence School Joined the Army, 1900 A D C to Governor of Victoria, 1908-11, A D C to Governor of Madras, 1911, A D C to Governor of Bengal, 1912-14 Military Secretary to Lord Carmichael, 1914-17 Mil Secretary to Lord Ronaldshay, 1917-22 Mil Secretary to Earl of Lytton, 1922 Mil Secretary to Sir George Lloyd, 1922-23 Mil Secretary to Sir Leslie Wilson, 1923-28, Military Secretary to Sir Frederick Sykes since 1928-1933 Military Secretary to Lord Brabourne, 1933 Address Government House, Bombay

VAZIFDAR, LIEUT COLONEL SOHRAB SHAPOORJEE, M R C P (Lond), M R C S (Eng), I M S, J P, Professor of Medicine, Grant Medical College Senior Physician and Superintendent, J J Hospital, Superintendent, B J Hospital for Children, Bombay b 1 August 1883 m to Mary Hormusji Wadia Educ Grant Medical College, Bombay, St Bartholomew's Hospital, London Entered I M S in 1908 During the Great War served in German E Africa and subsequently in South Persia and Mesopotamia Appointed Professor of Pathology, Grant Medical College, in 1923, Second Physician, J J Hospital and Professor of Materia Medica, Grant Medical College in April 1923, First Physician, J J Hospital and Professor of Medicine, G M

WALI MAHOMLD HUSSANALLY, KHAN
BAHADUR, B A, LL B, son of the late Hon ble Khan Bahadur Hussanally Bey Effendi, Mysidi, Turkish Consul and Founder of the Sind Madressah-tul-Islam, Karachi, was Member, Legislative Assembly for several years and Fellow, Bombay University, was Municipal Councillor Karachi for about 20 years, member and Chairman Municipal and District School Board, Karachi, served as first President Shahi Jirgah, Jacobabad, for about 8 years, was President, Mulali Schools Committee, member, War League, Secretary, Sind Mahomedan Association, member, D J Sind College Board, has been Member, Sind Madressah Board, for about 17 years Retired Deputy Collector, is Special First Class Magistrate, since 1915, Landed Proprietor, was President of Educational Conference 1931 b 5 Dec 1860 Widower *Educ* Elphinstone College and Govt Law School, Bombay Served Govt in various departments for 33 years, retired in 1915 *Address* Birlat Manzil, Bunder Road Extension, Karachi

WALKER, GEORGE LOUIS, Govt Solicitor and Public Prosecutor, and Government Prosecutor, Bombay, b 25 September, 1879, m to Agnes Muriel Porter, d of Col R S Porter, Dy Lieutenant for County of Lancaster *Educ* Liverpool College War Service, France and Belgium, 4th Aug 1914 to November 1919 promoted Lieut-Col R F A Retired, 1921 Partner, Messrs Little and Co, *Address* Byculla Club

WALWYN, VICE-ADMIRAL SIR HUMPHREY THOMAS, KCSI CB, DSO, Flag Officer Commanding Royal Indian Marine, Bombay, b 25th January 1879, 2nd s of the late Col J Walwyn, Croft-of-Bwla Monmouth m 1912 Eileen Mary van Straubenzee, one s *Educ* H M S Britannia, Dartmouth Went to sea in H M S Camperdown, January 1895, qualified as Gunner Lieut 1904 and obtained the Egerton Memorial Prize, Gunner Lieut of H M S Drake under Prince Louis, H M S Superb, Neptune, Commander, 1912, H M S Warspite, 1915-17 (DSO), Capt 1916, in command destroyer flotillas and Senior Officer, Mediterranean Destroyers, 1923, Director of Gunnery Division, Naval Staff, Admiralty, 1924-26, Naval A D C to the King 1927, Flag Officer Commanding Royal Indian Marine, Bombay, 1928, CB 1928 KCSI 1933 *Address* Admirals House, Bombay

WATSON, HERBERT COMFSTON, D Sc (Lond), FIC, M I Chem E Fellow of University Coll London, Professor of General Chemistry Indian Institute of Science b 1886 m 1917 Miss M K Rowson *Educ* Marlborough Coll, London, Berlin, Geneva and Cambridge Universities Asstt Prof Indian Institute of Science 1911, apptd Prof of General Chemistry in 1916 *Publications* Numerous papers on physical Chemistry, and allied subjects *Address* Indian Institute of Science, Hebbal, Bangalore

WAZIR HASAN, THE HON SIR SAJJID, KT, B A, LL B, Chief Judge of Oudh *Educ* Gov-

ernment High School, Balba, Muir Central College, Allahabad, M A O College, Aligarh Joined the Lucknow Bar in 1903, Secretary, All-India Moslem League from 1912-19, was instrumental in bringing about Hindu Moslem Pact of 1916, appointed Judicial Commissioner of Oudh in 1920, and Chief Judge of Oudh, February 1930 *Address* Wazir Hasan Road, Lucknow

WEBB, SIR MONTAGU DE POMEROY, Kt (1921), CIE, CBE, Member of Council of the East India Association, Vice President Anti Slavery and Aborigines Protection Society Chairman, *Daily Gazette Press Ltd*, Karachi b Clinton, 1869 m 1903 Catherine Frances (whom he divorced) *Educ* Privately Member of Indian Fiscal Committee, 1921-22, late member of the Indian Legislative Assembly and late Chairman, Karachi Chamber of Commerce *Publications* Britain Victorious, India and The Empire, Britain's Dilemma, Around the World, etc *Address* Karachi

WEIR, LIEUT-COLONEL JAMES LESLIE ROSE, CIE (1933), Agent to Governor General for the Gujarat States and Resident at Baroda b 29 Jan 1883 m Thyra Letitia Alexandra Sommers *Educ* Wellington and Royal Military Academy, Woolwich Joined Royal Artillery, 1900, transferred to Indian Army (5th Cavalry), 1904, joined Political Department, 1908, has been H B M's Consul at Kermanshah and Shiraz, Resident in Kashmir, Political Officer of Sikkim, Tibet and Bhutan, and Resident at Baroda *Address* The Residency, Baroda

WESTCOTT, RT REV F, *see* Calcutta, Bishop of

WHEELER, THOMAS SHERLOCK, Ph D (Lond), B Sc (Lond), FIC, FRCSCI, F Inst P A M I Chem Eng J P Principal and Professor of Organic Chemistry, Royal Institute of Science, Bombay b 30 April 1899 m Una Brigid, d of the late John Sherlock, BA *Educ* O'Connell School Dublin and the Royal College of Science, Dublin Demonstrator in Organic Chemistry, Royal Technical College, Glasgow, Research Chemist at the Royal Naval Cordite Factory, Dorsetshire and at the Research Department, Woolwich Arsenal, London, Senior Research Chemist with Imperial Chemical Industries Ltd *Publications* about 50 research papers and 20 patents on chemical subjects, two textbooks, "Systematic Organic Chemistry" and "Physico-Chemical Methods" Also translations into English of some German textbooks *Address* Royal Institute of Science, Mayo Road, Bombay

WHITE, MAJOR FREDERICK NORMAN, CIE, MD, Asst Dir-Gen, IMS (Sanitary) 1914, Sanitary Commr, Govt of India, Simla *Address* c/o Grindlay & Co, Bombay

structing India," (P S King & Son, Ltd, London) Address Uplands, High Ground, Bangalore.

WACHA, SIR DINSHA EDULJI, Kt, J P, a Governor of the Imperial Bank of India (1920) Member, Bombay Leg Council (1915-16) and of Imperial Leg Council, 1916-20 Member, Council of State (1920), Member of the firm of Messrs Morarji Gokuldas & Co, Agents, Morarji Gokuldas S & W Co, Ltd and Sholapur S & W Co, Ltd, 1892-1931, ex-Director, The Central Bank of India, Director, Berar Co (1928) and ex-Director, the Scindia Navigation Company b 2 Aug 1844 m 1860, but widower since August 1888 Educ Elphinstone Coll, Bombay in Cotton Industry, since 1874, for 30 years Bombay Municipality (President 1901-02), for 44 years, Mem, Bombay Millowners' Association Committee since 1889 and President in 1917 and member, Bombay Imp Trust since its formation in 1898 up to 1919, Pres of 17th National Congress Calcutta, 1901, and of Belgium Prov Conference, 1894, gave evidence before Royal Commission on Indian expenditure in 1897, Trustee of Elphinstone Coll, also ex-Chairman, Indian Merchants' Chamber and Bureau, was Gen Sec, Indian National Congress for 17 years from 1894, Trustees of Vic Jubilee Technical Institute since 1902 and Hon Sec from 1909 to 1923, President, Western India Liberal Association from 1919-27 Was Secretary, Bombay Presidency Association from 1885 to 1915 and President from 1915 to 1918 Was President of the First Bombay Provincial Liberal Conference in 1922, is Chairman and Trustee of People's Free Reading Room and Library since 1917 Publications Pamphlets on Indian Finance, Currency and Economics, Agricultural Condition of India, Railways, Currency, Temperance, Military Expenditure, etc; formerly large contributor to leading Indian newspapers and journals for 45 years from 1875, also had published History of Share Speculation of 1863-34 Life of Fremchand Roychand, Life of J N Tata, the Rise and Growth of the Bombay Municipal Government, four papers on Indian Commerce and Statistics and My Recollections of Bombay (1860-75) Address Jiji House, Ravelin Street, Fort, Bombay

WADIA, ARDESHIR RUTTONJI, B A (Bom and Cantab), Bar-at-Law, Professor of Philosophy, University of Mysore and Secretary, Inter-University Board, India b 4 June 1888 m Tehmina Homeji Postwalla Educ St Xavier's High School and Wilson College, Bombay, at the Middle Temple, London, for Bar, at St Catherine's, Oxford, for Diploma in Economics and Political Science (with distinction), at Fitz William Hall for Moral Science Tripos Professor of English and Philosophy at Wilson College, Bombay, 1914, Lecturer in Psychology, University of Bombay, 1914-16 Professor of Philosophy, Mysore University since 1917 Dean of the Faculty of Arts, Mysore University, 1927-30, Off Director of Public Instruction in Mysore, 1930-31, President of the All-India Federation of Teachers' Associations at Patna, 1926, President, Indian Philosophical Congress at Dacca in 1930 Delegate of

the Mysore University to the Fifth Congress of the Universities of the British Empire, London and Edinburgh, 1931 President, Fourth All Karnataka Hindi Prachar Conference, 1932 Secretary, Inter-University Board since April 1932 Publications The Ethics of Feminism, A Text-Book of Civics, A Handbook of Moral Instruction for Teachers, Civilisation as a Co-operative Adventure (The Principal Miller Lectures in the University of Madras 1932) Articles in Mind, Philosophical Review, Monist, International Journal of Ethics, The Journal of Philosophical Studies, The Philosophical Quarterly, The Aryan Path Edited the Mysore University Magazine, 1928-30 Address The University, Mysore

WADIA, BOMANJI JAMSITH the Hon Mr Justice, M A, LL B (Univ of Bombay), Bar at Law Judge, Bombay High Court b 4 Aug 1881 m Rattanbai Hormusji Wadia and subsequently to Perin Nowroji Chinoy of Secunderabad Educ St Xavier's College, Bombay, and at the Inner Temple, London, for the Bar, 1904-6, was Principal, Govt Law College, Bombay, 1919-1925 Acting Puisne Judge of the High Court of Bombay for two months from 5th June 1928, and again from January to October 1929, and from 1st Feb to October 1930 Additional Judge 1930-31, confirmed as Puisne Judge, High Court, in June 1931 Address Quetta Terrace, Chowpatty, Bombay

WADIA, SIR CUSROW, Kt (1932), C I E (1919), Millowner b 1860 Educ King's Coll, London Joined his father's firm, 1888 Chairman, Bombay Millowners' Association (1918) Address Pedder House, Cumballa Hill, Bombay

WADIA, JAMSETJI ARDASEER, J P, 1900 Merchant b. 31 Oct 1857 Educ Elphinstone Sch and Coll and served apprenticeship in Dickinson Akrold & Co of London, Promotor and Director of Cotton and other industrial concerns, Member of Bombay Mun Corpn from 1901-1921 Publications Writer on Industrial and Economic subjects published two pamphlets against closing of the Mints Address Wilderness Road, Malabar Hill, Bombay

WADIA, SIR NUSSEERWANJI NOWROOJI, K R E, C I E, M I M E, M I S T E, J P, F C P S (Hon) Millowner b 30 May 1873 m Evelyn Clara Powell Educ St Xavier's College, Chairman of the Bombay Millowners' Association, 1911 and 1925 Address Strachey House, Pedder Road, Bombay

WADIA, PESTONJI ARDESHIR, M A, Professor of Philosophy and History, Wilson College Bombay. b 16 Dec 1878 Educ Elphinstone College, Bombay Publications The Philosophers and the French Revolution Zoroastrianism and our Spiritual Heritage Inquiry into the Principles of Theosophy The Wealth of India, Money and the Money Market in India, An Introduction to Ivanhoe and History of India Address Hormazd Villa, Malabar Hill, Bombay

WILLIAMS, GEORGE BRANSBY, M Inst C L, M I Mech E, F R San I, F R G S, Member of Council, Institution of Engineers (India), late Chief Engineer, Public Health Department, Bengal, Consulting Engineer, Member of firm of Williams and Temple b 7 April 1872, m Dorothy Maud, d of E Thorp of Cheadle Hulme, Cheshire *Educ* Clifton Artificed to Mr James Mansergh, F R S, P Pres Inst CE, 1891, Asst on York Main Drainage Works, Birmingham Waterworks, Resident Engineer in-Charge, Whitby Waterworks, Served S Africa, 1900-01, Railway Staff Officer, Asst District Engineer, Imperial Military Railways, Pers Asst to Mr G R Strachan, Inst CE, 1902-06, Croydon Waterworks Shrewsbury Waterworks Consulting Engineer to Colonial Office, 1906-08, Nairobi Drainage and Waterworks Naivasha, Nakuru and Zanzibar sanitation, designed Sketty Sewerage Works, &c, Sanitary Engineer, Bengal (1909), designed nearly 200 schemes of water supply, drainage and sewerage of which about 80 have been carried out including Jberia, Gaya, Hooghly, Chinsurah, Kalimpong, Serampore, Monghyr, Comilla, Raneeunge, Midnapore, Suri and Cooch-Bihar waterworks, Gaya Burdwan, Dacca, Kurseong and Tittagur main drainage schemes *Publications* Sewage disposal in India and the East, Elementary Sanitary Engineering (three editions), Practical Sanitary Engineering, Modern Sewage Disposal, R E Journal, 1909, "Rainfall of Wales," Geographical Journal, 1909, Flood discharge and Spillways in India, "Engineer," 1922, Recent Progress in Sanitary Engineering in Bengal, Public Health in India "XIXth Century," February 1928, &c *Address* 28 Victoria Street, Westminster S W 30 Hill Street, S W Tower House, Calcutta, and United Service Club, Calcutta

WILLIAMS, CAPT HERBERT ARMSTRONG, D S O, I M S, Resident Medical Officer, Rangoon General Hospital since 1907 b 11 Feb 1875 *Address* General Hospital, Rangoon

WILLIAMSON, SIR HORACE, KT (1934), C I E (1922), M B E (1919), Director, Intelligence Bureau, Government of India b July 16, 1880 m Joan Emma Doran Holtz *Educ* Cheltenham College Joined Indian Police, United Provinces, 1900, Superintendent, 1913, Assistant to Inspector-General, 1917, Secretary, Indian Disorders Inquiry Committee, 1919-20, Deputy Inspector-General, 1923, Officiating Inspector-General, 1928, Director, Intelligence Bureau, Home Department, Govt of India, 1931 *Address* New Delhi and Simla

WILLINGDON, 1ST EARL OF, cr 1931, 1ST VISCOUNT, cr 1924, 1ST BARON OF RATTON cr 1910, FREEMAN FREEMAN-THOMAS, G M S I (1931), G M I E (1931), G C M G (1926), G B E (1917), Viceroy and Governor-General of India, 1931 b 12 Sept 1866 s of Frederick Freeman Thomas and Mabel, d of 1st Viscount Hampden, m 1892 Hon Marie Adelaide (C I, G B E, cr 1924), d of 1st Earl Brassey, one son A D C to Lord Brassey when Governor of Victoria, 1895,

M P (L) Hastings, 1900-1906, Bodmin Division of Cornwall, 1906-1910 Junior Lord of Treasury, 1905-1912, T P, Governor of Bombay, 1913-1919, of Madras, 1919-1924, was present as Delegate for India at the Assembly of the League of Nations, 1924, Chairman of the Delegation from the Boxer Indemnity Committee which visited China, Jan-July, 1926, Major, Sussex Imperial Yeomanry, Lord-in-Waiting to H M the King, Governor-General of Canada, 1926-1931, appointed Governor General and Viceroy of India, 1931 *Address* The Viceroy's House, New Delhi and Viceregal Lodge, Simla

WILLIS, COL SIR GEORGE HAMPY, Kt (1928), C I E (1918), M V O (4th) 1911, M I Mech E, M I E (Ind) Master Security Printing India b 21 Oct 1875, *Educ* St Pauls Sch, London R M A, Woolwich, R F, 1895, Major 1914 Lt-Col, 1921 Col, 1925 Arrived India, 1900 Deputy Mint Master, 1907, Master of the Mint, October 1915 to February 1926 Past President of Council Institution of Engineers (Ind), m 1900 3 daughters *Address* Carlton House, Nasik Road, G I P Railway

WILLMOT, ROGER BOULTON, H M Trade Commissioner at Calcutta b 16 Oct 1892 *Educ* Berkhamsted In business in London 1911-1915 Joined Royal Naval Volunteer Reserve in 1915, transferred to Army with a commission in R G A (S R) in July 1916, in Government service in London, 1920-1924 *Address* Bengal Club, Calcutta

WINGATE RONALD EVELYN LESLIE, C I E B A I C S, Offg Political Secretary, Government of India b 30th Sept 1889 *Educ* at Bradfield and Balliol College, Oxford Arrived in India 1913 and served in the Punjab as Asst Commissioner, transferred to Delhi as City Magistrate, 1916, special duty on staff of Lieutenant-Governor, Punjab, 1917, special duty under Civil Commissioner of Occupied Territories, Mesopotamia, 1917, Political Agent and H M's Consul at Maskat, 1919, special assistant to Resident in Kashmir, 1921, Political Agent and H M's Consul, Maskat, 1923, Secretary to Agent to Governor-General in Rajputana, September 1924, ditto Baluchistan, 1927, Political Agent and Deputy Commissioner, Quetta Pishin, 1928, Political Agent, Sibi, 1931, Deputy Secretary to the Government of India, Foreign and Political Department, 1932, Officiating Secretary, October 1932 *Address* Government of India, Delhi and Simla

WINTERBOTHAM, GEOFFREY LEONARD, B A (Cantab) Merchant, Partner, Messrs Wallace & Co b 7 Oct 1889 m Hilda, youngest d of D Norton, C S I *Educ* Malvern Coll and Magdalene Coll, Cambridge Business in India since 1912 apptd Consul for Siam at Bombay, 1926, Member, Legislative Council, Bombay, 1926-27, Vice-President, Bombay Chamber of Commerce, 1927 President, Bombay Chamber of Commerce, 1929

WHITTAKER, HARRY, CAPTAIN, late R.E., B.Sc., A.R.C.Sc., A.M.Inst.C.E., A.M.I.Mech.E., A.M.I.E.L., M.Soc.Eng. Civ. de France, M. of Council Jun. Inst. Eng., Principal, The MacLagan Engineering College, Lahore b 23rd Feb 1879 m d of John Siddall Educ Bury and Royal College of Sc., London With J. H. Riley & Co., Engineers, Bury, Jackson Bros., Bolton, Demonstrator in Mathematics and Mechanics under Prof. John Perry in the Royal Coll. of Science, London, University Lecturer in Engineer, City and Guilds (Eng.), College, South Kensington, Head of Engineering Dept., Wandsworth Technical Inst., R.L. Vols. and Terr., 1902 to 1914, Joined regular Army December, 1914, Comm. March 1915 with the 13th Corps in France 1916-19. Joined present Indian appointment March, 1923. *Publications* Papers on Hydro-Electric Work, pub. I.M.L., & J.I.L. *Address* The MacLagan Engineering College, Lahore

WHITLY, JOHN TAPLTON, C.S.I. (1932), C.I.E., I.C.S., Member of Executive Council, Bihar and Orissa Educ. Clifton Coll., New Coll., Oxford, Univ. Coll., London. Was Asst. Magistrate and Collector, Transferred to Bihar and Orissa in 1912, Manager, Bettiah Wards Estate, 1916, appointed Commissioner in 1925, Temporary Member of Executive Council in 1929. *Address* Patna, Bihar and Orissa

WHITWORTH, CHARLES STANLEY, C.I.E. (1927), Chief Mining Engineer to the Government of India (Railway Department) b 14th June 1880 m Mabel Webb of Bray, 1932 Attached to Mining Department North Western Railway, 1909-12, Asst. Coal Superintendent, Indian State Railways, 1913-14, service lent to G.I.P. Railway, 1914-17, officiated as Mining Engineer and Technical Adviser to Coal Controller 1918-20, Appointed Chief Mining Engineer, Railway Board, 1921, Member, Indian Coal Committee, 1925, President, Indian Coal Grading Board, 1927-33, President, Indian Soft Coke Cess Committee, 1929-33. *Address* Bengal Club, Calcutta, Oriental Club, London

WIGRAM, GENERAL SIR FRANKTH, K.C.B. (1930), C.S.I. (1921), C.B.E. (1919), D.S.O. (1917), Aide de Camp General to H.M. the King (1933), Belgian Order of the Crown, Belgian War Cross, Legion of Honour, Order of the Crown of Siam, General Officer Commanding-in-Chief, Northern Command b 5th December 1875 Educ Winchester, Sandhurst Served N.W. Frontier, 1897-98 Tirah, 1897-98 N.W. Frontier (Waziristan), 1901-02 Tibet (March to Lhasa), 1903-04 European War, 1914-18 Director of Staff Duties Army Headquarters, India, 1919-21, Commander, Delhi Brigade Area, 1922-24, Deputy Assistant and Quartermaster General, Northern Command, India, 1924-26, Commander of the Waziristan District, 1926-29, Chief of the General Staff, India, 1931-34, General Officer Commanding-in-Chief, Northern Command, India, May 1934. *Address* Headquarters, Northern Command India, Rawalpindi/Murree

WILBERFORCE, LIEUT. COLONEL HAROLD, C.I.E., Foreign and Political Department Government of India Agent to the Governor-General for the Deccan States and Resident at Kolhapur b 17 Nov 1885 m, Margaret d of late Capt Michael Festing formerly of the 20th Regiment (The Lancashire Fusiliers) Educ Ellesmere College, Shropshire, and Pembroke College, Oxford, Gazetted to The Connaught Rangers, 1905, transferred to Indian Army 1908 and to Political Department, 1909, returned to the Army for the period of the War and saw active service in France and India, Was Asst. Mil. Secretary to Commander-in-Chief in India 1918-19, his served in Political Department in Western India, Central India, Punjab and the Deccan, was Dy. Secretary to Government of Bombay in Political Department in 1920, Dy. Political Secretary to Government of India, 1928-1930, and Ag. Political Secretary to Government of India in 1930. *Publications* "The History of Kathavar", "Some Translations from the Marathi Poets", "A Grammatical Treatise of the Marathi Language", "War Vignettes," and other monographs and articles in various periodicals. *Address* The Residency, Kolhapur (Deccan)

WILES, GILBERT, M.A. (Cantab), C.I.E. (1926), C.S.I. (1931) b 25 March 1880 m Winifred Mary Pryor Educ Perse School, and S. Cath. College, Cambridge Joined I.C.S. in India, 1904, Asst. Collector and Asst. Political Agent, Supdt. Land Records, 1910, Asst. Collr. and Collector 1916-17, Chairman, Cotton Contracts Board, 1918-1920, Deputy Secretary, Home Department, 1921-22, Secy. General Department, 1923, Secy. Finance Department, from 1923-32, President, Bombay Art Society 1926-32, Member, Indian Tariff Board, Sept 1933. *Address* Secretariat, Bombay

WILKINSON, HECTOR RUSSELL, B.A., C.I.E. (1927), I.C.S., Secretary, Education Department, Government of Bengal b March 11, 1888 m Theodora Daintree Educ Clifton and Queen's College Oxford Entered Indian Civil Service in 1912 and posted to Bengal Private Secretary to H.E. the Governor of Bengal, 1922-27. *Address* United Service Club, Calcutta

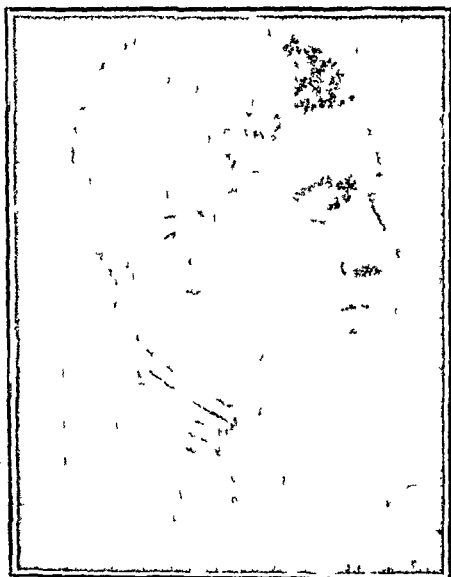
WILKINSON, SYDNEY ARTHUR, M.R.C.S. (Lond), L.R.C.P. (Lond), D.T.M., and D.T.H. (Liverpool, Uni.), Medical Officer, B.B. & C.I. Rly. Co., Ajmer b 17 March 1886 m Dorothy Neave Kingsbury, 1915 Educ City of London School, Queen's Coll., Taunton, and St. Thomas' Hospital, London Fellow of the Royal Society of Tropical Medicine and Hygiene (1922), A Serving Brother of the Venerable Order of St. John of Jerusalem (1930), Hon. Magte, Ajmer-Merwara, was Vice Chairman, Ajmer Municipality, and President, Rajputana Branch of the European Association. *Publications* "A Malaria Survey of Ajmer City 1930" *Address* Ajmer

President, Associated Chambers of Commerce of India and Ceylon, 1929 Member, Legislative Assembly, 1929 Address Monte Rosa, Dady Sett Hill, Bombay 6

WOODHEAD, JOHN ACKROYD, THE HON. Mr. B.A., B.Sc., C.I.L. (1931), Finance Member, Government of Bengal b 19 June 1881 m Alice Mary Wadsworth Educ Bradford Grammar School, Xian College Cambridge Entered Indian Civil Service, 1904, Asst Magistrate and Collector, Mymensingh, Sub Divisional Officer, Harlakandi, 1905-6, Joint Magte, Chittagong, 1908-09, Magistrate and Collector, 1909-10, Magistrate and Collector, Faridpur 1911-15 Magistrate and Collector, Mymensingh, 1916-17, Addl Judge, Alipur, 1917-18, First Lind Acquisition Collector, Calcutta Improvement Trust, 1918-22, Offg Chairman, Improvement Trust, 1919-20, Financial Secretary, Government of Bengal, 1924-27, Joint Secretary, Commerce Department, Govt of India, 1927-28, Secretary Commerce Department, Government of India, 1928-33 Officiating Commerce Member, Government of India, 1931, Represented Government of India on Burma Round Table Conference, Finance Member, Government of Bengal 1932 Address Writers Buildings Calcutta

YAIN, THE HON. SIR LEE AH KIH, Bar-at-Law, M.L.C., Ex-President, Rangoon Corporation, Fellow of Rangoon University, Minister of Forests b April 1874, Educ Rangoon College and Cambridge Address Rangoon Secretariat, Rangoon

ZAFRULLAKHAN, CHAUDHURI MUHAMMAD, B.A. (Honours) Punjab, LL.B. (Honours) London, Barrister at-Law (Lincoln's Inn) b 6 Feb 1893 m Badrun Nissa Begam, eldest d of the late Mr S. A. Khan, I.C.S. (Bihar and Orissa) Educ Government College, Lahore, King's College and Lincoln's Inn, London Advocate, Sialkot, Punjab, 1914-16, practised in Lahore High Court, 1916-31, Editor, "Indian Cases," 1916-32, Law Lecturer, Univ Law College, Lahore, 1919-1924, Member, Punjab Legis Council, 1916-1932, Member, Punjab Provincial Reforms Committee, Delegate, Indian Round Table Conference, 1930 and 1931 Member, Consultative Committee President, All-India Muslim League, 1931, Crown Counsel Delhi Conspiracy Case, March 1931 or June, 1932 Member of the Governor General's Executive Council, 1932 Publications "Indian Cases," the Criminal Law Journal of India Reprints of Punjab Criminal Ruling Vol IV, and Fifteen Years' Digest Address Turner Road, Lahore



SHRIMANT VIJAYASINHRao
FATTESINHRao RAJE
BHOSLE, Raje Saheb of
Akalkot

Born 1915

Is a minor, 18 years old

Passed the Diploma Examination of the Rajkumar College, Rajkot, and attended for some time the Deccan College, Poona, and is at present receiving general education

Area of State 498 square miles

Population 92,605

Capital Town Akalkot (Sholapur District)

The State for the purposes of administration is divided into a Taluka—Akalkot—and two Pethas—Pihiv and Kurla. Owing to minority the State is at present administered by the Dowager Rani Saheb Tarabai as Regent with the help of a Government Adviser and exercises wide powers as Regent.

Judicial An independent High Court Bench established in 1931

Educational Primary education free to backward and depressed classes and girls of all castes and creeds. Free secondary education to girls. Scholarships and freeships for secondary and higher education.

Local Self-Government Municipality at Akalkot and Taluka District Local Board

General A New Water Works Scheme costing 8 lakhs, a new Girls' School costing Rs 30,000 and many other improvements are in hand. State's Reserve Balance Rs 17,52,090 earmarked for programmes of public works and needs of the Raje Saheb's family.

Government Adviser RAO BAHADUR A N PRADHAN, B A. He is also on the High Court Bench.

Dewan MR V B PARULEKAR, B A. He is also the District and Sessions Judge.

Chief Police Officer RAO BAHADUR S R JAGDALE

WHO'S WHO

AMONG

INDIAN

PRINCES

CHIEFS

AND

NOBLES



1934-35



RAJA SHRI KISHORE
CHANDRA DEO,
Ruling Chief of the
Athmallik State, Orissa

Born November 10th,
1904

Succeeded to the Gadi On
the 3rd November 1918
Was invested with full,
Ruling powers on the 24th
December 1925

Educated At the
Rajkumar College, Raipur,
(C P)

Married In 1923,
Srimati Lakshmi Priya Devi, the daughter of the
Chief of Keonjhar, (Orissa), who died in 1927 Married
second time in 1929, Srimati Srimanta Manjori Devi, a
princess belonging to the illustrious Bhanja House of
Mayurbhanj, (Orissa)

Area of the State 711 square miles

Population 64,274

Revenue Rs 2,10,000

CHIEF EXECUTIVE OFFICER.

Diwan & Sessions Judge MR B MISRA, B A

OTHER PRINCIPAL OFFICERS

Assistant Diwan MR S MOHANTY, M A, B L

Forest Officer MR B K JOSHI

Engineer MR B C MOHANTY, B E

Revenue Officer MR K C MISRA, B A

Domestic Devottar & Khamar—Manager MR K M HOTA

Mutation Officer & Office Superintendent MR K C TEJ

Chief Medical Officer DR T GHOSE

THAKORE SHREE KESHRI-SINHJI the present Thakore Saheb of Ambalbara is aged about 47 years and completed the Silver Jubilee of his reign in the month of May 1933. The rulers of Ambalbara State are Chowhan Rajputs, tracing their direct descent from Rajputs of Sambhar or Ajmer.



The State was acquired by the valour of the ancestors of the present Chief, during the reign of Aurangzeb (1658 to 1707) and they were famous for the heroic resistance they made more than once to the Galkwar's troops. The State is entitled to receive tributes in the nature of Ghasdana and Giras Haks from various States as also from the British Treasury.

The State comprises of 36 villages covering an approximate area of 67 square miles, *Population* nearly 11,000, *Revenue* of Rs 96,000.

The State possesses Civil Powers to decide suits upto Rs 10,000, and Criminal Powers of giving imprisonment upto 2 years and fine upto Rs 5,000.

Owing to recent changes, the State has been brought under the direct control of the Government of India along with the other Mahi Kantha States.

At present the Thakore Saheb has three sons, the eldest of whom Dada Saheb *alias* Sardarsinhji, is getting his educational training at the Scott College, Sadra.

Primary education is imparted free throughout the State and Medical Relief is also given free to the State people.

Chief Officers of the State —

- (1) K S TAKHATSINHJI JALAMSINHJI, *Chief Karbhari and Revenue Officer*
- (2) Mr THAKORLAL C DESAI, *Nyayadhish*
- (3) Mr LAXMANSINH D CHOWHAN, *Chief Medical Officer*



MAJOR HIS HIGHNESS RUKUND-DAULA, NUSRAT I-JANG MUKHLISUD DAULA, HAFIZUL-MULK NAWAB SIR SADIQ MOHAMED KHAN SAHIB BAHADUR ABBASI V, FCIE, KCSI, KCVO, Nawab Ruler of Bahawalpur

Born in 1904 Succeeded in 1907 Educated in Aitchison Chief's College, Lahore Married in 1921 Invested with full Ruling powers in 1924 A member of the Standing Committee of Indian Princes Chamber A D C to Prince of Wales during his Indian tour, 1921 Hony Major in the 21st K G O, Central India Horse Visited Europe and England, 1913-14, 1924, 1931, 1932 and 1933 Received by King Emperor on each occasion

Largest Mohammedan State in the Punjab Direct descendant of Abbaside Kaliphs of Baghdad and Cairo Heir SAHIBZADA MOHAMMED ABBAS KHAN SAHIB BAHADUR

Area 22,000 square miles

Population 1,000,000

Revenue Rs 85 lakhs

Salute 17 guns

CABINET

Prime Minister

IZZAT NISHAN IMADUL-MULK, RAISUL-WUZRA KHAN BAHADUR MR NABI BAKHSI MOHAMMED HUSAIN, M A, LLB, CIE, Bo-CS

P W & Revenue Minister

MR C A H TOWNSEND, CIE, ICS

Minister for Law & Justice

LIEUT -COLONEL MAQBOOL HASSAN KUREISHY, M A, LL B

Home Minister

UMDAT-UL-UMARA AMINE-UL-MULK SARDAR HAJI MOHAMMED AMIR KHAN

Army Minister

MAJOR-GENERAL SAHIBZADA HAJEE MOHAMMED (DILAWAR KHAN ABBASI, C A O, C H O

Minister for Commerce

DIWAN SUKHA NAND

SHRIMANT BHAVANRAO SHRINIWASRAO *alias* BALASAHEB PANT PRATINIDHI, the Ruler of Aundh, is a graduate of the Bombay University and a treaty Chief. His age is 65 and is married to Shrimati Saubhagyawati Ramabai Saheb *alias* Maisaheb from the Rode family of Poona.

Heri-Apparent SHRIMANT BHAGWANTRAO *alias* BAPUSAHEB is 14 years of age.



Shrimant Pantaheb is alive to the rapid progress going on in the civilized world. A Legislative Assembly was established in the State in 1924. Its strength consists of 39 members with a predominating popular element. The notable feature of the Assembly is that it includes two female members. The Assembly is competent to discuss any subject and pass resolutions without restrictions, while the Annual Budget is passed item by item.

By the Aundh State Act passed in 1931 a Darbar has been formed to run on the administration. It is a miniature executive council and consists of the Dewan of Aundh and the High Court Judge. An elected representative of the people is to be a member of the Darbar from 1935. He takes considerable interest in Rural Uplift and has been making vigorous efforts in that direction.

Shrimant Pantaheb is a keen student of drawing and painting and has edited *Picture Verul*, *Pictorial Ajanta*, *Pictorial Ramayana* and *life of Shivaji* in three picture volumes. He also takes great interest in physical exercise and has written in English a book on the subject called "*The Surya Namaskaras*."

The State possesses an independent High Court. Most of the villages have got Village Panchayats.



HIS HIGHNESS
MAHARAWALJI SHREE
INDRASINHJI PRATAP-
SINHJI, Ruler of the Bansda
 State in Gujarat, belongs to
 the Solanki clan of Rajputs
 and traces his descent from
 Sidhraj Jaysinh, the famous
 and illustrious Emperor of
 Gujarat in the twelfth century

Born 16th February 1888

Educated at the Rajkumar
 College, Rajkot

Accession to Gadi 11th
 November 1911

Married A S Shreemati
 Anandkunverba Sahiba,
 daughter of Raoji Shree of
 Mansa

Clubs Willingdon Club,
 Bombay, Hindu Gymkhana,
 Bombay, Shree Digvir Club,
 Bansda

Hen YUVRAJ SHREE DIGVIRENDRASINHJI SAHIB, born on the
 1st October 1927

Area of State 215 Square Miles

Population 48,807

Revenue Rs 7,58,538

Salute 9 Guns

His Highness is a member of the Chamber of Princes in his own
 right

RELATIVES

Brother RAJKUMAR SHREE PRAVINSINHJI

Nephews K S NARENDRASINHJI, K S GNANSHYAMSINHJI,
 K S VIKRAMSINHJI, K S BHUPENDRASINHJI, K S PRADUMANSINHJI,
 K S NRUPENDRASINHJI

PRINCIPAL OFFICERS.

Dewan H P BUCH, BA, LLB

Chief Medical Officer DR V B MOHILE, LM & S

Private Secretary MR G I PUROHIT

Palace Physician DR B L TRIVEDI, MBBS, DTM

Nyayadhish R M PUROHIT, BA, LLB

Revenue Officer MR V K MOHILE

Treasury Officer MR T B UPADHYAY

Head Master, Shri Pratap High School T P BUCH, BA

Forest Officer B H UPADHYAY, D D R

Police Superintendent MR H B DURANI

Riyasat Officer MR F R JADEJA

Garden Superintendent A S MAHFUZE, FRCS (London)

State Engineer MR D I UPADHYAY

Mechanical and Electrical Engineer MR DHANJI MAVJI

Abkari Supervisor MR G K DESAI

Auditor R M GANDHI, FCS (London)

NAWAB MIR FAZLE ALI KHAN BAHADUR, the present Ruler of Banaganapalle, the only Muslim State in South India

Born 1901

Installed on the Masnad of his ancestors on the 6th July 1922

Educated At St George Grammar School, Hyderabad, Deccan The Newington Institution, Madras, and the Mayo College, Ajmere Passed the Diploma Examination in 1920

Married The only daughter of his paternal uncle, Nawab Mir Asad Ali Khan Bahadur in 1924



After the death of his first Begam Sahiba in the year 1928, the Nawab Sahib Bahadur re-married in the year 1930, a lady from the family of Nawab Salar Jung Bahadur

Recreation : Polo, Tennis and Cricket

The Ruler exercises full control over the administration of the State During the short period of his rule, the present Nawab Sahib Bahadur has given practical proof of his keen interest in every branch of the administration and is striving hard to do everything that can be done for the welfare of his loving subjects The Nawab Sahib Bahadur is a member of the Chamber of Princes

Her-Apparent NAWAB MIR GHULAM ALI KHAN BAHADUR
Born 12th October 1925

Salute 9 guns *Area of the State* 275 square miles

Population 40,000 *Annual Revenue* Rs 4 lakhs

There are diamond deposits in the State, also copper and coal mines The chief food grain is cholum

PRINCIPAL OFFICERS.

Dewan

KHAN BAHADUR MOULVI MAHAMMED HABIBULLA KHAN SAHIB, B A

Munsiff KHAZI GHULAM MAHAMOOD SAHIB

Tahsildar SYED IMAM SAHIB, B A

Magistrate SYED ALI NAQUI SAHIB



HIS HIGHNESS FARZAND-I-KHAS-I-DOWLAT-I-ENGLI-SHIA MAHARAJA SIR SAYAJI RAO GAEKWAR SENAKHAS KHEL SAMSHER BAHADUR, GCSI, GCIE, LL D, Maharaja of Baroda

Born 1863 Ascended the gadi 1875, Invested with full powers in 1881

Educated Privately

Married In 1880 Shri Chimnabai Saheb, a princess belonging to the House of Tanjore, who died in 1885

Married Second time in 1885, Shri Chimnabai Saheb of the Ghatge family of the Dewas State

Attended the Round Table Conference, 1930, 1931 The Minister was deputed to the third session of the Round Table Conference by His Highness, 1932

Publications

- (1) From Cæsar to Sultan, (2) Famine notes, (3) Speeches, (4) Selected letters

Recreation Billiards, tennis, shooting, tiger-hunting, etc

Address Baroda, Gujerat, Western India

Heir SHRIMANT YUVARAJ PRATAPSIKH GAEKWAR

Area of the State 8,164 square miles

Population 2,443,007 (1931)

Revenue Rs 276 98 lakhs

Salute 21 guns

EXECUTIVE COUNCIL

President

SIR V T KRISHNAMA CHARI, KT, CIE, Dewan

COUNCILLORS.

SHRIMANT YUVARAJ PRATAPSIKH GAEKWAR (*Karma Sachiv*)

MR RAMLAL HIRALAL DESAI, BA LLB (*Mantra Sachiv*)

COLONEL KUMAR SHIVRAJ SINGH, BA (*Mantra Sachiv*)

MR RAMCHANDRARAO SHAMRAO PATIL (MANE), BA, LLB

(*Ex-Officio Member*)

MAJOR HIS HIGHNESS
MAHARAO SHREE SIR
RAJITSINHJI,
KCSI, Ruler of Baria

Born 10th July 1886

Educated At Rajkumar
 College, Rajkot, Imperial
 Cadet Corps College, Dehra Dun,
 and in England

Marrried In 1905 to Shrimant
 Taktakunverba Saheb, daughter
 of His late Highness the
 Maharaja of Rajpipla

In 1918 to Shrimant Dilhar-
 kunverba Saheb, a niece of His
 late Highness the Maharaja
 Saheb of Rajpipla

Succeeded to the Gadi 20th
 February 1908 Assumed full
 Ruling Powers May 1908

Served in France and Flanders
 during the Great European War
 (1914-18) and also during the Third Afghan War (1919)

Second Son RAJ KUMAR SHREE HEERASINHJI

Grandson, eldest son of Her-Apparent RAJ KUMAR SHREE
 JABBARSINHJI

Family Chohan Rajputs lineal descendants of the renowned
 Pava-pates, Rulers of Gujrat with their capital at Champaner

The State pays no tribute either to the British Government or any
 other State, and receives Chouth of Dohad, Kalol and Halol Talukas
 of the Panch Mahals from the British Government

Area of State 813 square miles *Population* 1,59,429

Gross Average Revenue Twelve lacs

Salute Permanent 9, Personal 11

Recreation Pig-sticking, Polo, Tiger-hunting, etc

ADMINISTRATION.

Dewan RAO BAHADUR MOTILAL L PAREKH, M A, LL B

Officer Commanding State Forces LT-COL MAHARAJ NAHARSINHJI

Rajkharch Officer SARDAR Z N GOHEL

Personal Staff Officer Captain KALLIANSINH

Sar Nyayadhisha and First Class Magistrate U J SHAH, Esq,
 B A, LL B

Nyayadhisha and First Class Magistrate M V SHETH, Esq

Medical Department Dr J H KUMBHANI, MBBS, DTM,
 FCP S

Electrical Department M L PATEL, Esq, DFH (London)

P W D Department C S MALKAN, Esq, BE (Civil), AMIE

Education Department G L PANDYA, Esq, MA, BT

Banking Department CHANDULAL N SHAH, Esq





SHRIMANT RAGHUNATHKAO SHANKARRAO *alias* BABASAHEB PANDIT PANT SACHIV, MADAR UL-MAHAM (most faithful) Ruler of Bhor

Founder of Dynasty — Shankaraji, member of Cabinet (ministry) of eight, Chhatrapati Rajaram's time 1698

Present Ruler Born, 1878. Education, Collegiate Ascended Gadi, 1922 Representative member of Princes' Chamber (7 years) Trip to England and Continent of Europe, 1930 Audience with King-Emperor

Heir SHRIMANT SADASHIV-RAO *alias* BHAUSAHEB, B A

State Matters Area 910 sq miles *Population* 141,546

Revenue Rs 6,77,880 9 guns Dynastic Salute bestowed for excellent administration and loyal and whole-hearted co-operation with British Government, 1927 Ruler enjoys full Internal Powers Reforms and improvements —

Administrative Executive Council system started, 1925 Legislative Council established, 1928 and non-official majority and non-official Vice-President granted, 1933 Privy purse moderately fixed

Judicial An Independent High Court's Scheme inaugurated, 1928

Educational Primary Education made free, 1922 Scholarships and Freeships for higher education founded Library built at Bhore, 1928 Shrimant Babasaheb is President of Poona Boy Scouts' Association

Local Self-Government Institutions Bhore Municipality reconstituted and election-right granted, 1929 Taluka Local Boards established, 1932

General A big bridge over Nira built, 1932 The State rendered varied and valuable help to Government in construction of Lloyd Dam at Bhatghar

HIS HIGHNESS DEVI-
SINGHJI, RANA
SAHEB of Barwani (Minor),
Central India

Born On 19th July
1922

Ascended the gadi on
21st April 1930

Sisodia Rajput and a
descendant of the Udaipur
Ruling House None of
the rulers of Barwani was
ever a tributary of any of the Malwa Chiefs

Being educated At Daly College, Indore

Area of State 1,178 square miles

Population 1,41,110

Revenue About Rs 12 lacs

Salute 11 guns

State Council appointed by Government to carry
on Minority Administration

Dewan and President

DIWAN BAHADUR H N GOSALIA, M A , LL B

Revenue Member

KHAN SAHEB MEHERJIBHOY HORMUSJI

Judicial Member

M S DUTT CHOWDHARY, Esq B A , LL B





LIEUTENANT GENERAL
HIS HIGHNESS MAHA-
RAJADHIPAJ RAJ
RAJESHWAR NATHENDRA
SHRIPOMANI MAHARAJAH SIR
SIR GANGA SINGHJI BAHADUR,
G.C.S.I., G.C.I.E., G.C.V.O.,
G.B.E., K.C.B., A.D.C.,
LL.D., Maharajah of Bilaner

Born On 13th October
1880

Succeeded to the Gadi
On 31st August 1887, and
assumed full ruling powers
in 1898

His Highness was educated
at the Mayo College, Ajmer

His Highness was married in 1897 to the daughter of His
late Highness the Maharawat of Partabgarh, who died on the
19th August 1906 His Highness also married the daughter
of the late Thakur of Sanvatsar in the Bilaner State, who also
died in 1922 Subsequent to the demise of the first Maharami,
His Highness married in 1908 the daughter of the Tazimi Pattedar
of Bikamkore in Marwar

Her-Apparent MAHARAJ KUMAR SRI SADUL SINGHJI
BAHADUR, C.V.O.

Area of State 23,317 square miles *Population* 936,218

Revenue Rs 1,11,00,336

Salute Permanent 17 guns, local 19 guns and personal 19 guns

Prime Minister and Chief Councillor

SIR MANUBHAI NANDSHANKER MEHTA, Kt, C.S.I., M.A., LL.B.

Public Works and Home Minister

COL. RAO BAHADUR THAKUR SADUL SINGHJI or 'BAGSTU, C.I.E.

Army Minister.

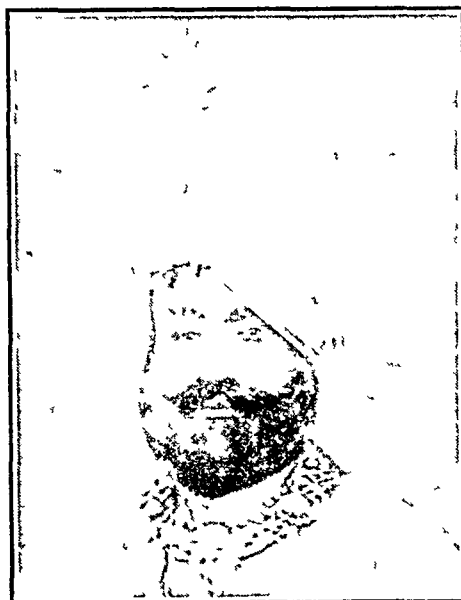
MAJOR-GEN. RAO BAHADUR THAKUR HARI SINGHJI OF SATTASAR,
C.I.E., O.B.E.

Revenue and Finance Minister.

MAJOR MAHARAJ SRI MANDHATA SINGHJI SAHIB

HIS HIGHNESS BHARAT
DHARAM - INDU
MAHARAJA SAWAI SIR SAWANT
SINGH BAHADUR, K C I E, of
Bijawar.

Born 25th November
1877, ascended the Gadi
in June 1900, was married
first into the Bundelkhandi
Ponwar family of Sonrai in
Jhansi district and secondly
in 1913 into that of Diwan
Gajraj Singh, a jagirdar of
Datia State who belongs to
Karahiya family



Son MAHARAJ KUMAR AMAN SINGHJI

Area of the State 973 square miles

Population 115,852 Gross revenue $3\frac{1}{2}$ lakhs

Salute 11 guns

Railway Station Harpalpur, G I P Railway, 57 miles lorry
service

ADMINISTRATION.

Diwan

SARDAR BASHESHAR SARUP

Chief Secretary

PANDIT MAHADEO RAO

Private Secretary

M RAFAT ALI QURRESHI

Revenue Officer

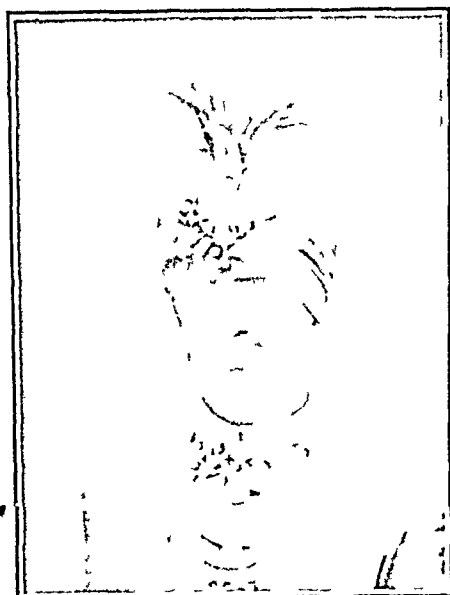
M ULFAT RAI

Nazim

M RAFAT ALI QURRESHI
(Acting)

Superintendent of Police

M GULAB KHAN.



HIS HIGHNESS
RAJA RAM SINGH,
the present Ruler of
Chamba State, is a Rajput
of the Surajbansi Race
and the progenitors of the
dynasty have ruled in
Chamba for fourteen
hundred years

Born 17th October
1890, *ascended the Gadi*
in September 1919,
installed in May 1920

Educated In Chamba
and in the Aitchison
College, Lahore

Married The daughter of Raja Raghunath Singh
of Jaswan in 1912.

Recreation Shooting, Tennis, Cricket, Hockey and
Football

Her-Apparent Shri Tikka Lakshman Singh, born
December 1924

Salute 11 guns

Address Chamba, Punjab, India

Chief Secretary RAI BAHADUR LALA MADHO RAM

Area of the State 3,216 square miles

Population 1,46,870.

Revenue Rs. 9,00,000.

Chamba is one of the oldest principalities in India
and has been ruled by the same dynasty since its founda-
tion in A D 550

HIS HIGHNESS NAZAMUD-DAULAH MUMTAZ-UL-MULK MOMIN-KHAN BAHADUR DILAVRJUNG NAWAB MIRZA HUSAIN YAUER KHAN BAHADUR, Nawab of Cambay (A First Class State with powers to try capital offences) is a Mogul of Shiah Faith, of the Nazam-i-Sani Family of Persia

Born 16th May 1911

Succeeded to the Gadr on 21st January 1915 *Ascended* 13-12-30 (With full powers)

Educated At Rajkumar College, Rajkot, till April 1928, spent a year in Europe accompanied by his tutor and companion

Area of State 392 sq miles

Population 87,761 (Census 1931)

Revenue 10 lakhs (Normal) *Salute* 11 guns

Political Relations —With the Government of India, through Agent to the Governor-General, Gujarat States, Baroda

His Highness has prescribed a schedule of subjects in which His Highness has got plenary powers of disposal for joint deliberations with the Dewan and the Private Secretary Thus a miniature Cabinet form of Government has been introduced as a first step towards reform

Dewan

DEWAN BAHADUR NARMADASHANKER DEVSHANKER MEHTA, B A

Private Secretary

LT-COLONEL H S STRONG, C I E

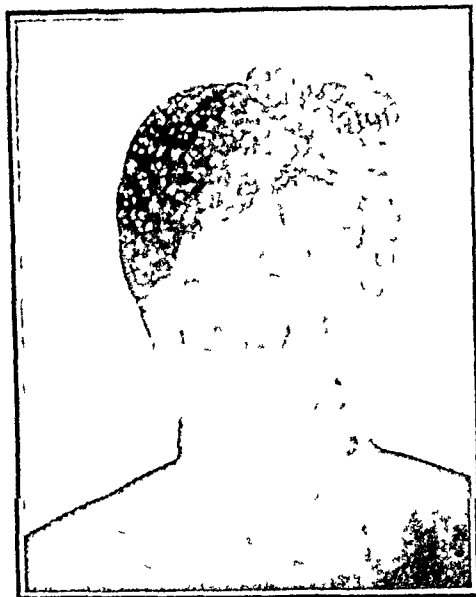
Chief Revenue Officer

RAO SAHEB PURSHOTTAM JOGIBHAI BHATT, B A, LL B

San Nyayadhish

SHANUBHAI MATUBHAI MAZUMDAR, M A, LL B





HIS HIGHNESS
MAHARAJA SHRI
BHAWANI SINGHJI
SAHIB BAHADUR, Danta
 State, Rajputana

Born 13th September
 1899 A D The Ruling family
 of Danta belongs to the
 celebrated clan of Parmar
 Rajputs The founder of the
 State, His Highness Mahara-
 naji Shri Jasrajji came from
 Sind and established the State
 by way of conquest in 1068
 A D

Educated At the Mayo
 College, Ajmer

Ascended the Gadi 10th
 March 1926

Area of the State 347 sq miles *Population* 26,172

Revenue Rs 1,77,075 *Salute* 9 guns hereditary

The State enjoys full plenary powers, and the Ruler is a
 Member of the Chamber of Princes in his own right Success-
 sion to Gadi is governed by primogeniture

Heir-Apparent Maharajakumar Shri Prithiraj Singhji
 Sahib Bahadur, *born* 22nd July 1928

Junior Maharaj Kumar Shri Madhusudan Singhji, *born*
 31st May 1933

Places of interest Shri Ambaji, Shri Koteswarji and Shri
 Kumbhariaji are the places of interest and holy pilgrimage

STATE OFFICERS

Dewan MR RAMPRASAD BAPALAL DIVANJI, B A (Retired
 Senior Superintendent and Acting Assistant Secretary to the
 Government of Bombay, Revenue Department)

Naib-Dewan MAHARAJ SHRI PRITHI SINGHJI SAHEB

Revenue Commissioner MAHARAJ SHRI NARAYAN SINGHJI
 SAHEB

Private Secretary BABU BISHRAM SINGHJI

First Class Magistrate MR P P DESAI, B A, LL B

Assistant Revenue Officer MR R P KANHERE, B Ag

Medical Officer DR R I MUNIM, MBBS

HIS HIGHNESS SRI
RAMA VARMA,
Maharaja of Cochin

Born 30th December
1861

Ascended the Musnad
25th March 1932

Educated Privately

Heir His Highness
Kerala Varma, Elaya Raja

Cochin is a maritime
Indian State lying in the
south-west corner of India
It has an area of 1,480 28
sq miles and a population
of 1,205,016 It is bound-

ed on the north by British Malabar, on the east by Malabar,
Coimbatore and Travancore, on the south by Travancore
and on the west by Malabar and the Arabian Sea

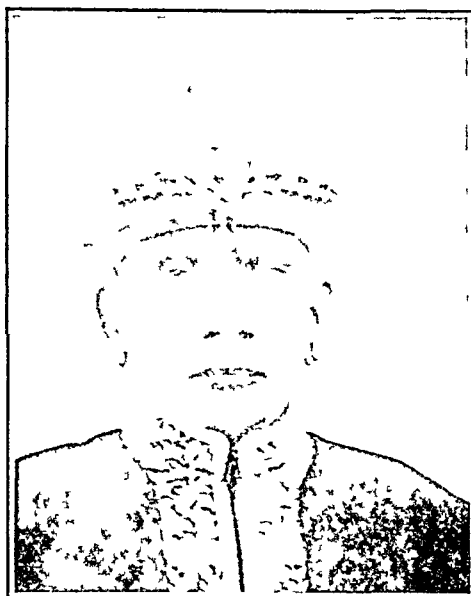
In point of Education the State takes the 2nd place
among the Indian States and Provinces It owns 3
Colleges, 44 High Schools, 102 Lower Secondary Schools
and 923 Primary Schools

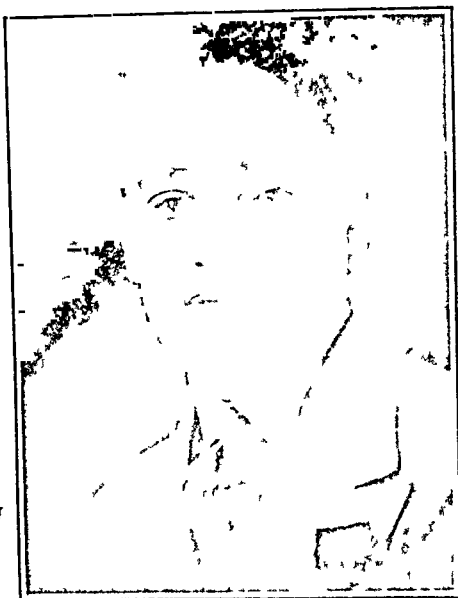
The State maintains 52 Hospitals and Dispensaries
Local administration is carried on by four Municipalities
in the four important towns and 86 Panchayats in the
Villages

The Government of the State is carried in the name
and under the control of His Highness the Maharaja
who is the fountain head of all authority in the State
The Chief Minister and Executive Officer of the State
is the Diwan To help the Government a Legislative
Council with a predominant non-official majority has
been constituted

His Highness enjoys a salute of 17 guns

The present Diwan of the State is C G Herbert,
Esquire, I C S





RANA SHRI DALIP SINGHJI BAHADUR, Rana of Dhami State, (Simla Hills), Punjab 'Descendant of the great and illustrious Warrior King Prithviraj Chohan, of Delhi Dhami is the only Chohan State in Simla Hills

The Ruling House of Dhami took no mean part in establishing firmly the far-flung British Empire in the Punjab, and these services were appreciated by the British Government

The present Ruler, Rana Shri Dalip Singhji Bahadur, is a Surajbansi Rajput

Resumed Full Powers in 1931

Born 5th November 1908

Educated At the Bishop Cotton School, Simla, and Aitchison Chiefs' College, Lahore, besides this he received training in Settlement, Revenue works, Forest, Politics and Judicial work, etc., under able British Officers

Married The daughter of the Ruler of Tharoch State

Recreation Shooting, Tennis and other manly games

Her-Apparent SHRIMANT THE YUVRAJ, born in 1928

Shrimati Rajkumari and Shri Rajkumar were born in 1926 and 1933, respectively

Area 29 square miles

Revenue Rs 50,000

Population 6,000

Communications and buildings greatly improved

The representative of His Imperial Majesty the King Emperor, His Excellency the Viceroy, on invitation honours the Ruler and his State by paying visits almost annually to the State

Residence and address The Palace Dhami, Dhami State (Simla Hills), Punjab

MAJOR HIS HIGHNESS
MAHARAJA LOKEN-
DRA, SIR GOVIND
SINH JU DEO BAHADUR,
G C I E, K C S I, Ruler
of Datia

Born 1886 *Ascended*
the Gadi on 28th August
1907

His Highness is a Patron
of St John Ambulance
Association, Vice-Patron of
National Horse Breeding
and Show Society, Vice-
President of Red Cross
Society and All-India Baby
Week Society, Vice-Patron
of Girl Guide Association, Indian Empire, besides being a
member of several Societies, Associations and Clubs



He contributed about 7 lakhs during the War, has
presented Lord Reading's statue to the Imperial Capital,
Delhi, and has built several beautiful buildings of public
utility in his own capital including Lord Hardinge Hospital
and Lady Willingdon Girls' School

Besides shooting several big game in South-East Africa
in 1912-13 he has shot 154 tigers in India

His Highness celebrated his Silver Jubilee in 1933

Constitution The administration is carried on through
the Chief Minister, who is the central administrative
authority The Chief Minister is assisted by the Heads of
departments and advised by the Legislative Council which
was constituted in 1924

Chief Minister SIR AZIZUDDIN AHMED, Kt, C I E,
O B E, I S O, K B

Area of the State 912 square miles

Population 158,834

Revenue 'About Rs 18 lakhs

Address Datia, Central India



HIS HIGHNESS
MAHARANA SHRI
VIJAYADEVJI 'MOHANDEVJI
RANA, Raja Sahab of
Dharampur

Born 1885

Ascended the Gadi 1921

*Educated at the Raj-
 kumar College, Rajkot*

Married in 1905 A S
Rasikkunverba, daughter
of His Highness Maharana

Shri Gambhirsinhji, Maharaja Sahab of Rajpipla, and after
her demise in 1907 A S Manharkunverba, daughter of
Kumar Shri Samantsinhji of Palitana

Her MAHARAJ KUMAR SHRI NARHARDEVJI

Area of the State . About 800 square miles

Population . About 115,000

Revenue . Rs 12½ lakhs

Salute 11 guns personal

SECRETARIAT SYSTEM

Political Secretary

MR DULLABHDAS VITHALDAS SARAIYA, B A , LL B

Huzur Personal Assistant

MR. BHOGILAL JAGJIVAN MODY

Revenue Secretary

MR. SHANTISHANKER JESHANKER DESAI, B A.

General Secretary .

MR. PRANLAL DULLABHJI KAMDAR, B A , LL B

HIS HIGHNESS MAHARAJA ANAND RAO PUAR SAHEB BAHADUR (MINOR), Ruler of Dhar State, C I

Born 24th November, 1920

Adopted by Her late Highness the Dowager Maharani Saheba, D B E, on 1st August, 1926

Succeeded to Gadi On the 1st of August, 1926

Education His Highness is receiving education at the Daly College, Indore, under the guidance of an European Guardian and Tutor, Captain M S Harvey Jones

Salute 15 guns

Area of the State 1,800 24 square miles

Average Revenue of the State

Rs 30,00,000 including revenue of the Khasgi, Thakurates, Bhumats and Jagirs, etc *Population* 243,521

Railway Station Mhow—33 miles Rutlam—60 miles on B B & C I Lines



COUNCIL OF ADMINISTRATION.

Dewan and President, Council of Administration of the State and Khasgi Karbhar

Dewan Bahadur K NADKAR

Member (without portfolio) of the Executive Council

Rao Bahadur Shrimant Maharaj Setu RANJI SAHEB PUAR

Home and Revenue Member

MR RAGHUNATH SAHAI

Military Member

MR RAGHUNATH SAHAI (Acting)

Judicial Member

MR M N KHORY, B A, LL B

Consultative Member and Assistant to the Dewan in the Finance Branch

RAJ SEVA SAKTA MR VENKAT RAO C PALKAR

Consultative Members

PANDIT PURNASHANKAR RAJ JOTISHI

THAKUR JASWANT SINGHJI OF BIDWAL

Dunbar and Council Secretary

MR B S BAPAT, M A, LL B



L T-COL HIS HIGHNESS
RAIS-UD-DAULA SIPAH-
DAR-UL-MULK SARAMAD
RAJ HAI HIND MAHA-
RAJADHIRAJA SRI SAWAI
MAHARAJ RANA SIR UDAI
BHAN SINGH LOKINDAR
BAHADUR, DILER JANG JAI
DEO, G C I E, K C S I,
K C V O, Maharaj Rana of
Dholpur

Born On 12th February
1893

Succeeded To the Gadi
in March 1911 and assumed
full ruling powers in 1913

His Highness was educated at the Mayo College, Ajmer, where he passed the Diploma examination and won several prizes

Marned To the daughter of the Sardar of Badrukha
in Jind State *Area of State* 1,221 square miles

Population 2,54,986 *Revenue* Rs 16,37,000

Salute Permanent 15 guns and personal 17 guns

STATE COUNCIL.

President H H THE MAHARAJ RANA BAHADUR
NAWAB RUSTAM ALI KHAN

Political Secretary A N THORPE, ESQ.,

Revenue Secretary R S R B MUNSHI KUNJ BEHARI LAL

Financial Secretary PANDIT KALADHAR TEWARI.

Personal Secretary RAI SAHIB MUNSHI DIN DAYAL, B A

Military Secretary GENERAL SARDAR RACHUBIR SINGH

SREE SHREE SREE RAJA SANKAR PRATAP SINGH DEO MAHINDRA BAHADUR, Ruler of Dhenkanal, a full fledged State in direct relationship with the Government of India, conspicuous for its traditional devotion and loyalty to the British Crown

Born 1904

Educated In Rajkumar College, Raipur and Government Ravenshaw College, Cuttack

His Highness belongs to the famous Kachhawa Rajput family

Married The eldest daughter of the Ruler of Seraikela, a descendant of Rathor origin

Succeeded to the Gadi in 1918

Area 1,463 square miles

Population 284,328



DURBAR'S EXECUTIVE COUNCIL

President and Prime Minister RAJKUMAR N P SINGH DEO, B A

Judicial and Political Minister DEWAN BAHADUR D N DAS, B A

Development Minister RAJKUMAR S P SINGH DEO, B A

DURBAR SECRETARIAT.

Military Secretary SUBEDAR CHINTAMONI MOHAMANSINGH
(Recipient of Indian Police Medal)

Deputy Superintendent V S DORA, Esq

Private Secretary BENOV GHOSH, Esq, B A

Assistant Private Secretary PANDIT BAMADEB RATH

Revenue Secretary PANDIT SIKHARESWAR MISHRA

Tahasildar P C MOHAPATRA, Esq, B A, MUKUNDA PRADHAN, Esq, B A, N C MOHANTY, Esq, K C MOHANTY, Esq

Conservator of Forests S B D C PATNAIK, B A, M R H

Commissioner of Police and Excise RAI BAHADUR B B BURMAN

Assistant Commissioners PANDIT G MISHRA, B A, B DHAL, Esq, B L

Chief Medical Officer DR S RAO, M B, B Sc

Secretary of Secondary Education M S BISWAL Esq, M A, B Ed

Secretary of Primary Education H MOHANTY, Esq

Engineer (Offg) P W D MR R BEHERA

Scouting Deputy Camp Chief Rajkumar G P SINGH DEO

Organising Secretary BENOV GHOSH, Esq, B A

AGRICULTURE AND IRRIGATION DEPARTMENT

Superintendent of Village Up-lift and Rural Reconstruction
N K RAI, Esq

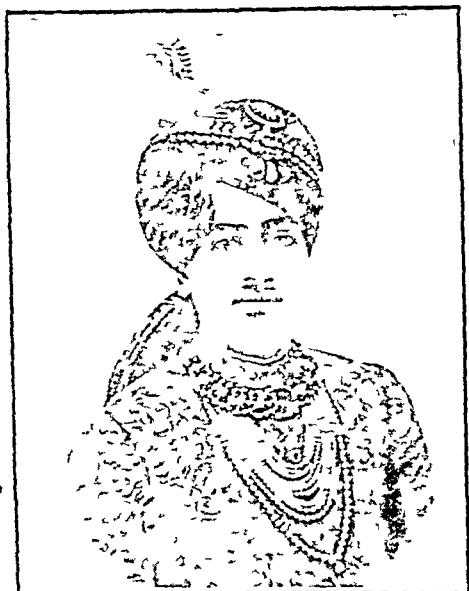
Superintendent of Agriculture and Irrigation B SAMANTRAI, Esq

JUDICIAL DEPARTMENT.

Chief Justice DEWAN BAHADUR D N DAS, B A

Sub-Judge PANDIT J K MISHRA, M A, B L

Sub-Divisional Officers MR N A J ANDERSON, PANDIT G C MOHAPATRA, B A



HIS HIGHNESS RAI-RAYAN, MAHI-MAHENDRA, MAHARAJADHIRAJ MAHARAWAL SHRI LAKSHMAN SINGHJI BAHADUR of Dungarpur belongs to the Ada branch of the Sisodia Rajputs of whom the Maharana of Udaipur is the head. The Rulers of Dungarpur are descended from Samant Singh, elder son of Kshem

Singh, who ruled over Mewar in the beginning of the 13th century of the Vikram era

Born . 1908

Ascended the Gadi 1918

Educated At the Mayo College, Ajmer

Married In 1920 to the daughter of the late Raja of Bhunga in U P and a second time in 1928 to a Princess of Kishengarh, the second daughter of His late Highness Maharaja Madan Singhji Bahadur of Kishengarh

Heir MAHARAJ KUMAR SHRI MAHIPAL SINGHJI BAHADUR

Area of State 1,460 square miles

Population 2,27,000

Average Revenue Rs 8,85,000

Salute 15 guns

HIS HIGHNESS MAHARANA SHRI SIR GHANSHYAM-SINHJI, G C I E, K C S I, Maharaja Raj Saheb of Dhrangadhra in Kathiawar

Born In 1889, and succeeded to the Gadi in 1911

Educated Rajkumar College, Rajkot, and later in England with private tutors under guardianship of Sir Charles Ollivant

Married Five times
Has three sons (1) Maharaj Yuvraj Kumar Shri Mayurdhwajsinhji, (2) Maharaj Kumar Shri Virendrasinhji, (3) Maharaj Kumar Shri Dharmendrasinhji



Area of the State 1,167 square miles exclusive of the State's portion of the Lesser Runn of Cutch *Population* 88,961
Annual Revenue Rs 25,00,000 *Dynastic Salute* 13 Guns

Dewan RAJ RANA SHRI MANSINHJI S JHALA, C I E

HUZUR OFFICE PERSONNEL.

Personal Assistant RANA SHRI SABALSINHJI S JHALA
Military Secretary RAO BAHADUR RANA SHRI DADUBHA S JHALA
Private Secretary. RAO SAHEB CHIMANLAL A MEHTA, B A S T C
Revenue Secretary RANA SHRI JASWANTSINHJI D JHALA
Judicial Secretary AMRITLAL V. MODI, M A, LL B
Political Secretary ANANTRAI N MANKER, M A
Assistant Private Secretary RANA SHRI RAMSINHJI M JHALA, B COM
Chief Agricultural Products Cotton, Jowar, Bajri and Wheat

Principal Industries

Salt and manufacture of Soda Alkalis at Shri S'akti Alkali Works, Dhrangadhra, which is the first and only work of the kind in India



RAJA BAHADUR NABA KISHORE
CHANDRA SINGH MARDRAJ
JAGADEB, M.R.A.S., F.R.S.A
(London), Ruler of Hindol in the Eastern
States Agency, in direct political relation
with the Government of India

Origin The Ruler of the State belongs
to the Ganga Dynasty tracing his descent
from Kapilendra Deb, a famous sovereign
of the Orissa Kingdom in the 15th century

Born On the 14th June 1891.

Succeeded to the Musnad On the 10th
February 1906 and invested with ruling
powers on the 20th October 1913

Educated At Ravenshaw Collegiate
School, Cuttack, and finally passed the
Diploma Examination from the Rajkumar
College, Raipur (C P)

Married In 1912 the eldest daughter of the Raja Saheb of Kharar in C P, a
descendant of the Chowhan origin On the demise of the first Rani re married the only
daughter of the Raja Saheb of Thuamal, Rampur, of the well known Nag Family

Jubraj Shriman Pratap Chandra Singh Deo, the Heir Apparent, born on the 12th
October 1917

Area 312 square miles *Population* 48,897

MANTRI MANDAL.

PRADHAN SACHIV

NAYAN SACHIV
ARTHA SACHIV

RASTRA SACHIV
DHARMA SACHIV

VICHAR PARISAD

Judge Court
Magistrate's Court

Sub Judge's Court
Sub Magistrate's Court

Revenue Court
Dharmadhyaksh Court

ADHIKARY BIVAG

Educational Superintendent
Jail Superintendent
Office Superintendent
Garage Superintendent
Chief Medical Officer

Chief Police Officer
Forest Officer
P.W.D. Officer
Auditor in Chief
Controller of the Palace

General Vernacular education is imparted free in the State Scholarships for higher
education have been founded The State Hospital gives every sort of medical help free to
all irrespective of caste and creed

Importation of liquor is prohibited Village Panchayats have been introduced almost
in every important village

All public buildings have been electrified and street lighting of the town is conducted
by electricity as well State Telephone Service links Institutions, Officers' Quarters, Police
Stations in the interior and the nearest Railway Station

Address P O Hindol (Orissa) Railway Station Hindol Road (B N Railway)

HIS HIGHNESS SHREE
BHAGVAT SINHJEE,
G C I E , M D ,
FRCPE, MBCM,
MRCP, DCL, LLD,
FRSE, MRAS, MRI
(GB), FCP & SB,
HPAC, Fell Bom
University, Maharaja'shakore
Saheb of Gondal

Born 1865

Assumed Full Powers, 1884

Educated at the Rajkumar
College, Rajkot, and at the
University of Edinburgh

His Highness was married to
Nandkunverba, the daughter
of H H Maharana Shri Naran Devji of Dharampur

Author of "A History of Aryan Medical Science," A Journal
of a visit to England

Heir YUVARAJ SHRI BHOJRAJJI

Area of State 1,024 square miles *Population* 2,05,846

Revenue Rs 50,00,000 *Salute* 11 guns

PRINCIPAL OFFICERS

Khangr Karbhar P P BUCH

Secretary. Miss J D RATHOD, BA

Huzur Secretary P B JOSHI, BA

Nyaya Mantri T P SAMPAT, BA, LLB

Sar Nyayadhish K J SANGHANI, BA, LLB

Vasulati Adhikari P W MEHTA, BA

Manager and Engineer-in-Chief P G DAS

Police Superintendent H S SANGHANI

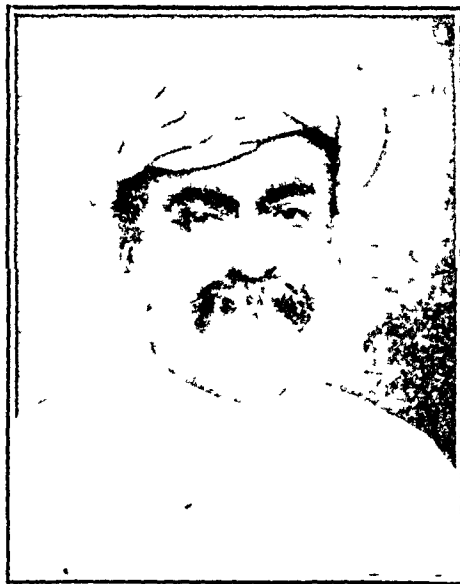
Bandhkam Adhikari V C MEHTA, BA, BE

Khajanchi P B JOSHI, BA

Chief Medical Officer M K S BHUPATSINHJI, LRCP,
MRCS, DTM, MB, BCH

Vidya Adhikari C B PATEL, BA

Darbari Wakil, L K SHUKLA, BA, LLB





HIS HIGHNESS MAHARAJA DHIRAJ SHREE HIMMAT SINGHJI OF IDAR —The Idar House was founded 200 years ago by two brothers of the Maharaja of Jodhpur. His Highness Maharaja Shree Himmat Singhji is the 10th of this illustrious line, and the grand-son of the well known soldier and statesman, His Highness Maharaja Major General Sir Pratap Singhji Sahib of Jodhpur fame. Maharaja Himmat Singh succeeded to the Gadi on the sudden death of His Highness Maharaja Sir Dowlat Singh on the 14th April 1931.

Born On 2nd September 1899

Married in the year 1908 to Shree Jawahar Kunwar Sahibji, the eldest daughter of Raja of Khairpur in the Jampur State.

His Highness received his education at the Mayo College, Ajmer, where he remained for 5½ years, leaving it after a brilliant career in 1916. He attained his diploma standing first in the list of candidates from all the Chief Colleges in India and was awarded His Excellency the Viceroy's medal. He won every class prize from the fifth to the diploma, five prizes for English and eleven others for various subjects. He won prizes in each division in succession for riding, and represented the College against the Aitchison College for 3 years at tent pegging, and also at tennis. For several years he was captain of one or other of the junior football or cricket eleven, and he was one of the best and keenest polo players in the college.

As will be seen, he upheld his family tradition as a sportsman. From boyhood he was keen on hunting and pigsticking and before he had joined the College at the age of 10, he had accounted for many panther and bear to his own rifle. His Highness now keeps a racing stable and has had many successes. These active sports are not his only recreation for he has a good ear for music and is interested in painting and photography.

On leaving the college, His Highness Maharaja Shree Himmat Singhji took an active part in the State administration being appointed to His late Highness' Council, and later for several years was in charge of the administration under His late Highness' personal directions. He gained further practical experience from an extensive tour throughout India in 1929-30. He was therefore well qualified to take up his responsibilities as Ruler of His State when he ascended the Gadi of Idar. Since his accession in 1931, many schemes of improvement have been inaugurated which concern the social welfare of his subjects, their education, industries and agriculture. His Highness has embarked on an ambitious programme of reform and advancement which it is expected his experience and keen personal interest will enable him to carry through successfully.

His Highness has got two sons, Maharaja Kumars Shree Daljit Singhji and Amar Singhji, the eldest Maharaja Kumar Shree Daljit Singhji, the heir apparent, was born in 1917.

<i>Salute</i>	15 Guns	<i>Area</i>	1,669 sq miles	<i>Revenue</i>	Rs 21 Lacs
<i>Dewan</i>	RAI BAHADUR RAJ RATTAN JAGANNATH BHANDARI, M A, LL B				

HIS EXALTED HIGHNESS, RUSTOM I DOWRAN, ARASTU I ZAMAN, LT GENERAL MUZAFIARUL - MULK WALI MAHALIK, NAWAB SIR MIR OSMAN ALI KHAN BAHADUR, FATIH JUNG SIPAH SALAR, Faithful Ally of the British Government, Nizamud Daulah, Nizam ul-Mulk Asaf Jah, GCSI, GBE, Nizam of Hyderabad

Born 1886

Ascended the throne 1911

Educated Privately

Married in 1906 Dulhan Pashar, daughter of Nawab Jehangir Jung, a nobleman representing a collateral branch of the Nizam's family

Heir THE NAWAB MIR HIMAYAT ALI KHAN BAHADUR, AZAM JAH

Area of the State 82,698 square miles

Population 14,146,148

Revenue Rs 892 13 lakhs

Salute 21 guns

The State has a Legislative Council of twenty members eight of whom are elected and an Executive Council of six officials with a President. It maintains its own paper currency and coinage, postal system, railways and army. It has a University with six Arts Colleges including one for women and Colleges for Engineering, Medicine, Law and Teaching. It has also an Honours College affiliated to Madras University, a College for Jagirdars and a College of Physical Education. There are also a Central Cottage Industries Institute, a Central Technical Institute and an Observatory. The State is of great historical and archaeological interest, as within its limits, are situated many old capitals of ancient and medieval Deccan Kingdoms, famous forts, temples, mosques and shrines and the wonderful Buddhist sculptures and paintings of Ellora and Ajanta.

Capital Hyderabad—Population 466,000. It is the fourth largest city in the Indian Empire. The city is beautifully situated on the banks of the river Musi, with fine public buildings, broad cemented roads, good electricity and water supply and an efficient bus service run by the State Railway. Among interesting places are the Char Minar, the Mecca Masjid, the fort and tombs of Golconda and the large artificial reservoirs— the Osman Sagar and the Himayat Sagar.



EXECUTIVE COUNCIL

President

RAJA RAJAYAN RAJAH SIR KISHEN PERSHAD MAHARAJA BAHADUR, YAMINUS SALTANATH, G C I E

Education, Medical and Military Depts Member
NAWAB WALIUD DOWLAH BAHADUR

Finance and Railway Member

NAWAB SIR AKBAR HADARI

Revenue and Police Member

LT COL SIR RICHARD CHENEVIN TRENCH

Judicial Member

NAWAB LUTFUD DOWLAH BAHADUR

Public Works Member

NAWAB AQEEL JUNG BAHADUR

Political Member

NAWAB MAHDI YAR JUNG BAHADUR



SHRIMANT SHANKAKRAO
APPASAHEB PATWARDHAN, Chief of Jamkhanda

Born 1906

Invested with full powers in May 1926

Educated in the Rajaram College, Kolhapur, and then privately

Marrried in 1924 Shrimant Soubhagyavati Lilavatibai-saheb, Ranisaheb of Jamkhanda, daughter of Madhavrao Moreshwar, the late Chief, the Pant Amatya of Bavada

Hen SHRIMANT PARASHURAMRAO BHAUSAHEB, the Yuvaraj, now in his ninth year

Daughter Shrimant Indira Raje alias Taisaheb, now in her eighth year

Area of State 524 square miles

Population 1,14,282

Revenue Rs 9,02,515

Capital Town Jamkhanda

The State for purposes of administration is divided into two Talukas, Jamkhanda and Kundgol and three Thanas, Wathar, Pathakal and Dhavalpuri. The present Ruler has been pleased to institute a separate High Court Bench and the judicial and executive branches of the administration have been separated. He has also gone ahead in the matter of popularising the administration by the inauguration of a Representative Assembly of the people. Elementary and secondary education have all along been free in the State. The present Ruler has made even Higher Collegiate Education free for his subjects by endowing fifty freeships in the Sir Parashurambhau College, Poona, so named in beloved memory of his revered father the late Captain Sir Parashuramrao Bhau Saheb. He is also the elected President of the Shikshan Prasarak Mandal, Poona.

The Chief Saheb has been a representative member of the Princes Chamber for Group IV for the last six years. He has again been elected this year. The State has provided for Free Medical Aid.

Diwan Mr R K BAL, B A, LL B, He is also the *ex officio* President of the Jamkhanda State Representative Assembly and High Court Judge

Sarnyayadhish Mr B B MAHABAL, B A, LL B

Revenue Officer Mr H C PATWARDHAN, B A

Private Secretary Mr M B MAHAJAN, B A, LL B

HIS HIGHNESS MAHARAJADHIRAJ RAJ RAJESHWAR SAWAI SHREE YESHWANT RAO HOLKAR BAHADUR, Maharaja of Indore

Born 6th September 1908

Accession 26th February 1926

Investiture 9th May 1930

Educated In England 1920-23 and again at Christ Church, Oxford, 1926-29

Marrried In 1924 a daughter of the Junior Chief of Kagal (Kolhapur)

Daughter Princess Ushadevi, b 20th October 1933

Invited delegate to the R T C in 1931



Area of State 9,902 square miles *Population* 1,325,000

Revenue Rs 1,35,00,000

Salute 19 guns (21 guns within State)

Address Indore, Central India

Recreation Tennis, Cricket and Shikar

STATE CABINET.

President

WAZIR-UD-DOWLAH RAI BAHADUR S M BAPNA,
C I E , B A , B Sc , LL B , Prime Minister

MEMBERS

Adviser to the State

SIR GOVIND D MADGAVKAR, KT , I C S (Retired)

Revenue Minister

MASHIR BAHADUR RAO SAHEB K B TILLOO

Home Minister

MUNTAZIM-I-KHAS BAHADUR V P BHANDARKAR

Honorary Minister without portfolio

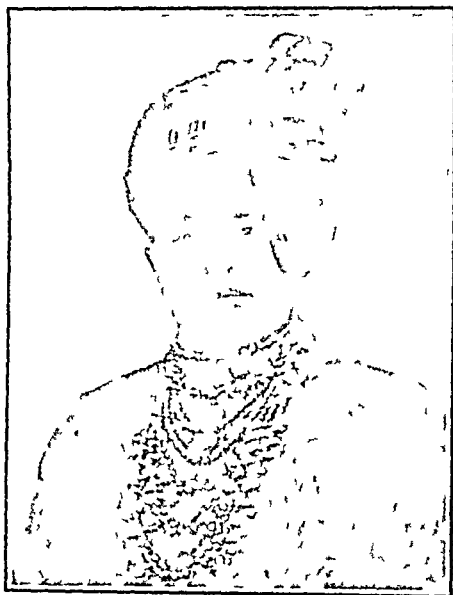
SARDAR R K ZANANE, B A

Member for Medical, Jails and Health & Sanitation Departments

LT -COL J R J TYRRELL, C I E , I M S (Retired)

Member for Customs, Excise, Commerce and Industry Departments

MASHIR BAHADUR S V KANUNGO, M A



LIEUTENANT-COLONEL 'HIS HIGHNESS FAKHRUD DAULAH NAWAB SIR MOHAMMAD ITTIKHAR ALI KHAN BAHADUR, SAULET-E-JANG, K C I E, Nawab of Jaora

Born 1883

Ascended the Gadi in 1895

Educated at the Daly College, Indore Served in the Imperial Cadet Corps for fifteen months till 1902, and is Honorary Lieutenant-Colonel in the British Army

Married His Highness' first marriage was celebrated in 1903, 2nd marriage in 1905

and the 3rd in the year 1921

Heir-Apparent NAWABZADA MOHAMMAD USMAN

ALI KHAN SAHIB

Area of State 601 square miles

Population 100,204 *Revenue* 12,00,000

STATE COUNCIL.

President HIS HIGHNESS THE NAWAB SAHIB BAHADUR

Vice-President & Chief Secretary

KHAN BAHADUR SAHIBZADA MOHAMMAD SERFRAZ ALI KHAN

Secretary.

MR NASRAT MOHAMMAD KHAN, M A , LL B (Alg.)

Member.

NAWABZADA MOHAMMED NASIR ALI KHAN SAHIB

Military Secretary NAWABZADA MOHAMMED MUMTAZ ALI KHAN SAHIB

Secretary, Public Health Department

SAHIBZADA MIR NASIRUDDIN AHMED 'SAHIB

Private Secretary MAJOR P F NORBURY, DSO, I A

Judicial Secretary and Judge, Chief Court.

MR SERAJUR REHMAN KHAN, Bar-at-Law

Revenue Secretary. MIRZA MOHAMMAD ASLAM BEG

Finance Member SETH GOVINDRAMJI.

HIS HIGHNESS SIDI
MUHAMMAD KHAN
NAWAB SAHEB of
Janjira

Born March 7th, 1914

Succeeded To the Gadi on
2nd May 1922 Was invested
with full Ruling powers on
9th November 1933

Educated At the Rajkumar
College, Rajkot, where he took
the Diploma with distinction
in 1930 Received instruction
in administration, politics and
agriculture in the Deccan Col-
lege, Poona, and administrative
training in the Mysore State



Married On the 14th November 1933 to the Shahajadi
Saheba of the Jaora State in Central India

Area 379 square miles

Population 110,388

Revenue Rs 8,85,000

Salute 11 guns permanent, 13 guns local

Principal sources of State income are Agriculture, Forest, Abkari
and Customs

PRINCIPAL STATE OFFICERS.

Dewan RAO BAHADUR H B KOTAK, B A, LL B, J P

Sar Nyayadhish MR RAMKRISHNA BABAJI DALVI

Sadar Tahasildar MR SIDI JAFAR SIDI MAHMUD SHEKHANI,
B A, LL B

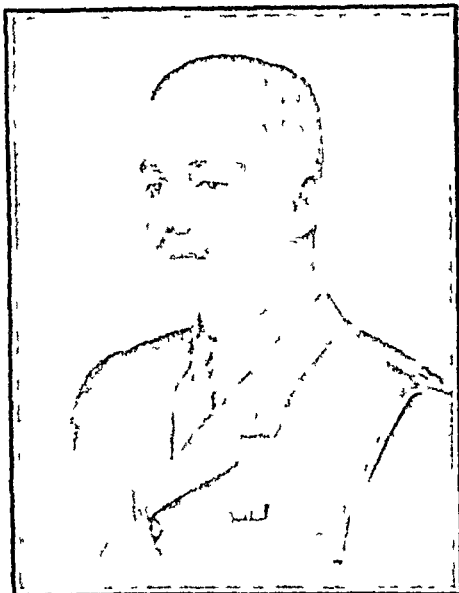
Chief Medical Officer DR A F DASILVA GOMES, L R C P.,
L R C S (Edin), L F P S (Glas), L M (Dublin)

Chief Engineer MR V V DEODHAR, B E.

Customs Inspector SIDI IBRAHIM SIDI ABDU RAHMAN KHANZADE

Excise Inspector MR D V DESAI

Mamlatdar, Jafarabad MR G A DIGHE



LT HIS HIGHNESS DHAR-
MADIVAKAR MAHARAJA-
DHIRAJ MAHARAJ RANA
SHRI RAJENDRA SINGH Ji
Dev Bahadur of Jhalawar
State

Born 15th July, 1900

Ascended the gadi 1929

Educated At the Mayo
College, Ajmer, and the
School of Rural Economy,
University of Oxford

Married The daughter
of Thakore Saheb of Kotda-
Sangani, Kathiawar, in 1920
Has one son

Heir-Apparent MAHARAJ
KUMAR SHRI VIRENDRA

SINGH Ji BAHADUR, born in Oxford on 27th September, 1921

His Highness is a keen sportsman, and has a taste for music, agriculture and fine arts. He is a member of the Royal Institution of Great Britain, Bombay Natural History Society, The Delhi Flying Club and the Imperial Delhi Gymkhana Club, was a Lieutenant in the I T F 11/19th Hyderabad Regiment, and was attached for some time to the 1st/19th Hyderabad Regiment (Russel's) at Fort Sandeman, Baluchistan. Now Honorary Lieutenant in 1st/19th Hyderabad Regiment (Russel's)

Area of the State 810 square miles

Population 107,890

Revenue Rs 8,02,608

Permanent Salute 13

STATE CABINET.

Prime Minister

LT-COL R A E BENN, C I E, I A, (RETD)

Judicial Minister

RAI BAHADUR RAJ RATNAKAR BHAYA SHADI LAL Ji,
B A, LL B

Home Minister

RAJ RATNA B MITTHAN LAL Ji

JASDAN is the premier Kathi State and the Rulers are Saketiya Suryavanshi Khshtriyas, being descendants of Katha, the younger son of the Suryavanshi Maharaja, Karan Shruta, of Ayodhya



The Kathis have, since their advent to this Province, effected a change in the name of the Province from Saurashtra to Kathiawad, and they are one of the most important and influential tribes on the westernmost coast of India

Darbar Shree Ala Khachar is the present Ruler of Jasdhan. He was born on 4th November 1905. He was educated at the Rajkumar College, Rajkot, and has passed the Diploma examination.

He succeeded to the Gadi in June, 1919, and assumed the reins of State administration on 1st December, 1924

Heir YUVRAJ SHREE SHIVRAJ aged three years

Area of the State 296 square miles including about 13 square miles of non-jurisdictional territory

Population 36,632 including non-jurisdictional territory

Revenue (gross) Rs six lacs nearly

All education is free throughout the State

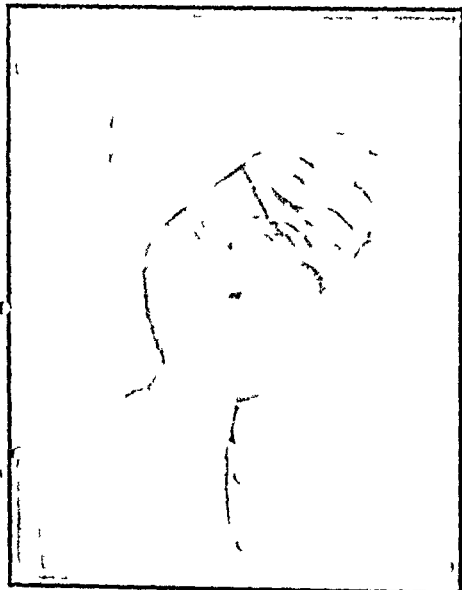
Medical relief at the Hospital, etc, is also supplied free

Importation of liquor is prohibited

Cultivators are granted permanent heritable tenure with rights of full ownership over their holdings and are protected against usury by special rules for settlement of money-lenders' claims,

Village Panchayats introduced in twenty villages with a non-official president

Subordinate land-holders have recently been granted the unusual privilege of exemption from resorting to the Civil Court for adjudication of their *inter-se* disputes. These are now settled through the Arbitration Court presided over by the Nyayadhish.



RANA BHAGAT CHAND
BAHADUR, C.S.I.,
Raja of Jubbal State,
Simla Hills, Punjab

Belongs to the Rathor
clan of Rajputs

Born 12th October 1888

Resumed Full Powers

1910

Educated at the Aitchison
Chief's College, Lahore

Married To Leilaba
Sahiba, the daughter of His
Highness Maharaja Sahib
of Gondal

Residence Jubbal Simla
Hills and Hainault, Simla

Heir TIKA DIGVIJAI CHAND, born 1913 Married to
Hemant Kunwar, daughter of His Highness Late Raja
Sahib of Narsingharh

Younger Children K Narbir Chand, L Lokendra
Singh, K Birendra Singh, Kumari Umavati H H Rani
Sahib Bilaspur and K Ilawati

Area 288 square miles.

Population 27,124

Revenue 8,00,000

Tributary States to Jubbal RANWIN, THAKUR KEDAR
SINGH DHADI, THAKUR DHARAM SINGH

The Raja Rana Sahib owns an Estate in Dehra Dun District U P where a large sugar factory has been erected. The State forests are one of the most valuable conifer forests in India and are worked departmentally. The entire management of the state is under the personal control of Raja Rana Sahib with the help of a Forest Minister and Council Wazarat. The Education and Medical departments give free advantage to the people, and an endowment fund in the name of Raja Rana Sahib's father called "Padam Chandra Dan Kosh" has been created by the Raja Rana under a Trust at a cost of Rs Ten Lakhs to keep education and medical help free in future and make it independent of the state revenues.

L T-COL HIS HIGHNESS RAJ
RAJESHWAR SARAMAD
RAJAI HIND MAHA-
RAJA DHIRAJ SIR UMAID
SINGHJI SAHIB BAHADUR,
G C I E, K C S I, K C V O,
ruler of the Jodhpur State

Born 1903 *Ascended the*
gadi 1918

Educated at the Mayo
College, Ajmer

Marrried Daughter of
Thakur Jey Singh Bhatl of
Umednagar in 1921 Has
four sons and one daughter



Heir-Apparent MAHARAJ KUMAR SRI HANWANT SINGH
SAHIB, born in 1923

Area of the State 36,021 square miles

Population 2,125,982

Revenue Rs 1,40,00,000 *Permanent Salute*, 17, local 19 guns

STATE COUNCIL.

President

HIS HIGHNESS THE MAHARAJA SAHIB BAHADUR

Chief Minister & Finance Minister

MR J W YOUNG, O B E

Judicial Minister

RAO BAHADUR THAKUR CHAIN SINGHJI, M A, LL B,
OF POHKARAN

Home Minister

THAKUR MADHO SINGHJI OF SANKHWAS

Revenue Minister

MR J B IRWIN, D S O, M C, I C S



RANA SHRI CHHATRASAIJI
PARWATSINHJI of
Kadana State, Rewa
Kantha

Born 28th January, 1879

Educated At the Girassia
School, Wadhwan, Kathiawar

Kadana State was founded in the thirteenth century by Limdevji the brother of the founder of the Sant State. It has never been conquered by or has paid tribute to any power, but has kept up its independence by the prowess and valour of its own Rulers. The Ruling Family are Puwar or Parmar Rajputs claiming to have descended from the illustrious family of Veer Vikramaditya and Raja Bhoj.

The present Chief takes a personal and keen interest in the administration of his State. For Administrative purposes the State is divided into four Mahals. The State lands have been surveyed and settlements fixed giving more facilities to the cultivators. At the time the Chief ascended the Gadi the State was in the fourth class, but on account of his administrative ability the State is now placed among Class III and the Chief enjoys as a mark of personal distinction full Civil and Criminal powers.

Tagavi-Loans are given to cultivators in cash or kind whenever necessary. Free medical relief is given to the people in the State Dispensary opened for the first time by the present Ruler. Electric lighting has been introduced in Kadana proper. The State maintains three vernacular schools at convenient centres where education is imparted at a very nominal cost. Needy students are given scholarships.

The Chief enjoys the right to elect a representative member to the Chamber of Princes and is entitled to be received and visited by the Governor of Bombay.

SHRIMATI SHARDULKUVERBA, the only daughter of the Ruler, is married to the *Heir-apparent* of Banswara State in Rajputana. The Chief has no son, but sanction to adopt if and when necessary has been obtained from Government. Rule of primogeniture prevails in the State.

Area 132 sq miles Population 17,560
Revenue Rs 1,12,000 (Approx)

CHIEF OFFICERS

Karbhari and First Class Magistrate MR MOTISINHJI JETHISINHJI
RAVAL

Nyayadhish and Magistrate of the 2nd Class MR HARIPRASAD
CHHABILBHAI VAISHNAV, B A

Besides these the State maintains a Medical Officer, an Inspector of Police, a Mahalkari, a Forest Officer and a Customs Officer.

HIS HIGHNESS SIR MAHA-
BATKHANJI RASUL-
KHANJI ^{III}, G C I E,
K C S I, Nawab Saheb of
Junagadh

Family Babı (Yusufzai
Pathan)

Born 2nd August 1900

Educated Preparatory
school in England and at the
Mayo College, Ajmer

Her-Apparent NAWABZADA
DILAWAR KHANJI, born 23rd
June 1922



Area of the State 3,337 sq miles *Population* 545,152

Principal Port Veraval *Revenue* Rs 87,00,000

Salute 15 guns personal and local

Indian States Forces—Junagadh State Lancers, Mahabat-
Khanji Infantry

EXECUTIVE COUNCIL.

Dewan, Junagadh State and President of the Council

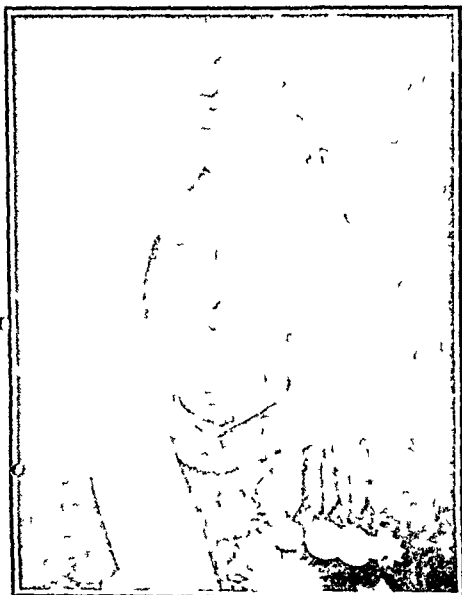
MR P R CADELL, CSI, C I E

Police & Military Member, J. S Council

MR W C EDWARDS, I P

Revenue Member, J S Council

MR. S T MANKAD, B A, LL B



COLONEL HIS HIGHNESS
 FARZAND-I-DILBAND
 RASIKHUL-ITIKAD
 DAULAT-I-INGLISHIA RAJA-
 I-RAJGAN MAHARAJA
 JAGATJIT SINGH BAHADUR,
 Maharaja of Kapurthala,
 GCSI (1911), GCIE
 (1918) Created GBE
 (1927) on the occasion of his
 Golden Jubilee Honorary
 Colonel of 3/11th Sikhs
 (45th Rattrays Sikhs) One
 of the Principal Sikh Ruling
 Princes in India In re-
 cognition of the prominent
 assistance rendered by the
 State during the Great War

His Highness' salute was raised to 15 guns and the annual Tribute of £9,000 a year was remitted in perpetuity by the British Government; received the Grand Cross of the Legion d'Honneur from the French Government in 1924, possesses also Grand Cross of the Order of the Star of Roumania, Grand Cordon of the Order of the Nile, Grand Cordon of the Order of Morocco, Grand Cordon of the Order of Tunis, Grand Cross of the Order of Chili, Grand Cross of the Order of the Sun of Peru, Grand Cross of the Order of Cuba, twice represented Indian Princes and India on the League of Nations in 1926 and 1927, celebrated the Golden Jubilee of his reign in 1927

Born 24th November 1872, son of His Highness the late Raja-i-Rajgan Kharak Singh of Kapurthala

Heir-Apparent. SIRI TIKKA RAJA PARAMJIT SINGH.

Chief Minister. DIWAN SIR ABDUL HAMID, KT, C.I.E.,
 OBE, K.B, BAR-AT-LAW

Area of State. 652 square miles.

Population: 316,757.

Revenue. Rs 36,00,000

Address. Kapurthala State, Punjab, India

LIEUT HIS HIGH-
NESS MIR AHMAD
YAR KHAN, Beglar
Beg, Khan of Kalat

Born 1904

Educated Privately

Succeeded to the
Khanate September 1933

Area of State 73,278
square miles.

Population 342,101

Salute 19 Guns (hereditary)

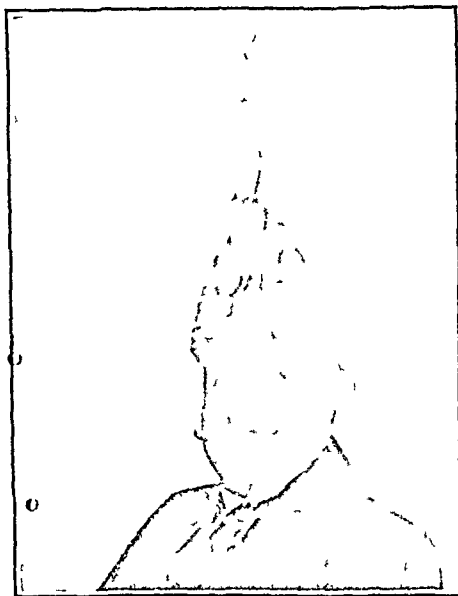
His Highness belongs to the Ahmadzai family which came into power in 1666—67, when Mir Ahmad took possession of Kalat after defeating the Moghul governor

Kalat the capital of the State is 88 miles south of Quetta and 6,783 feet above sea level In the cold weather the seat of the ruler is at Dhadar, 16 miles from Sibi

Wazir-Azam E B WAKEFIELD, ESQ, I C S

Chief Secretary KHAN SAHIB MIAN NASIRUDDIN
AHMAD





**HIS HIGHNESS MIR
ALI NAWAZ
KHAN**, Ruler of Khair-
pur State

Born 9th August
1884

Ascended the Gadi
25th June 1921

Educated at the Aitchi-
son College, Lahore, and
later privately in England

He comes of the Baloch family called Talpur

Her-Apparent Mir Faiz Mahomed Khan

Khairpur is a first class State It is the only State
in Sind The Ruler is entitled to a salute of 15 guns
outside and 17 guns inside the State

Area 6,050 square miles, a large portion of which
is desert

Population 227,168

Current annual income Rs 15 Lakhs

Minster J M SLADEN, ESQ, I C S

RAJA SHRI BALABHADRA
NARAYAN BHUNJ DEO,
Ruling Chief of the
Keonjhar State, Orissa

Born On the 26th De-
cember 1905

Ascended the Gadi on the
12th August 1926

Educated At the Rajku-
mar College, Raipur, C P

Married In June 1929,
Rani Saheba Srimati Manoja
Manjari Devi, daughter of the
Raja & Ruling Chief of the
Kharsawan State, Orissa

Heir TIKAYAT SHRI
NRUSINGHA NARAYAN BHUNJ
DEO



Area of the State 3,217
square miles *Population* 460,647 *Gross revenue* Rs 15,05,415

CHIEF EXECUTIVE OFFICER.

Diwan • RAI BAHADUR JUGAL KISHORE TRIPATHI, M A

OTHER PRINCIPAL OFFICERS.

Forest Officer : MR E S HIGHER

State Judge . RAI SAHEB SASHIBHUSAN SARKAR.

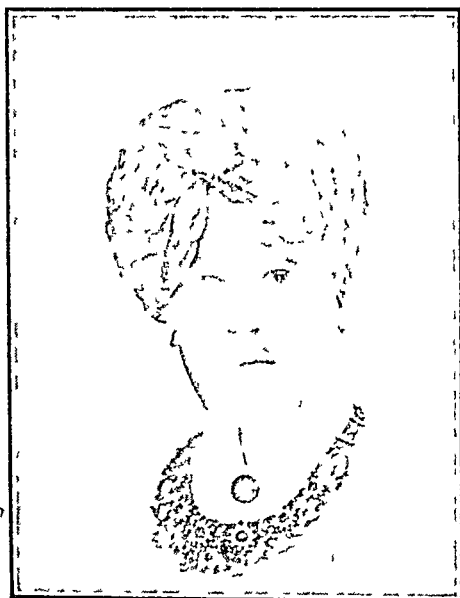
State Engineer : RAI SAHEB JADAB CHANDRA TALPATRA

Chief Medical Officer and Jail Superintendent
DR D C SEALY.

Sadar Sub-Division • BABU KRISHNA CHARAN MAHANTY,
BA, B L, S D O

Champua Sub-Division • BABU RAGHUNANDAN TRIVEDI,
BA, B L, S D O

Anandpur Sub-Division BABU KANHAICHARAN DAS, S D O
Superintendent of Police BABU PRADYUMNA KUMAR BANERJEE



HIS HIGHNESS MAHARANA
SHRI VIRBHADRASINGHJI,
RAJAJI SAHEB of Luna-
wada State

H H belongs to the illustrious clan of Solanki Rajputs, and is descended from Sidhraj Jaysinh Dev of Anhilwad Patan, once the Emperor of Gujarat, Cutch and Kathiawar

*Born 1910 Ascended the
Gadi 1930*

*Educated At Mayo College,
Ajmer*

*Married In 1931, Rani
Saheb Shri Manharkunverba,
daughter of Capt H H
Maharana Raj Saheb Shri*

Amarsinhji, K C I E , of Wankaner State

Area of State 388 square miles

Population 95,162 Revenue Rs 5,50,000

Dynastic Salute 9 guns

PRINCIPAL OFFICERS.

Dewan

TRIBHOVONDAS J RAJA, M A , LL B
Samant Officer and Police Commissioner

K S PRAVINSINHJI

Rajkharch Officer K S VIRVIKRAMSINHJI

Sarnyayadhish MAGANLAL L DESAI, B A , LL B

Political Secretary RAJNIKANT J ERRUNZA, B A (Hons)

Nyayadhish and Educational Inspector VADILAL A
MEHTA, B A , LL B.

Police and Excise Superintendent MANUBHA N RANA

Chief Medical Officer NENSHI D SHAH, M B , B S

Forest Officer MOHANLAL T JAINI

Custom Officer HATHISINHJI M SOLANKI

Head Master, S K High School RAMNIKLAL 'G MODI, M A

Electrical Engineer MAGANLAL B PANCHAL

MAHARANA SHRI SIR DAU-
LATSINHJI, KCSI,
KCIE, THAKORE
SAHEB of LIMBDI, is a direct
descendant of Maharana Khetaji
of Limbdi, A D 1486 (1542)
and belongs to the Jhala Clan
of Rajputs founded by Harpal
Dev and the Goddess Shakti.
He was adopted by the late
Thakore Saheb Sir Jaswant-
sinhji and rules over one of the
Western Indian States enjoying
full powers of internal autonomy.

Born 11th July 1868

Accession to Gadi 14th
April 1908

Educated Privately

Clubs A Fellow of the Royal
Geographical Society—Royal
Empire Society—Roshanara, Delhi—Rajputana Club, Mount Abu—
Willingdon Club, Bombay

A member of the Chamber of Princes in his own right

Salute 9 guns

Heir YUVARAJ SHRI DIGVIJAYSINHJI, who is married to Raj
Kumari Shri Nandkunvarba, daughter of the late H H Maharaja
Kesharisinghji of Idar

The State is bounded on the North by the Lakhtar State and
the British Taluka of Viramgam, on the East by the British Taluka
of Dholka and on the West by the Wadhwan and Chuda States

Area of the State 343 96 sq miles, besides 207 miles of Bar-
walla territory

Population 40,088 *Revenue* Rs 9,00,000

STATE OFFICERS.

Diwan

RAJ KUMAR SHRI FATEHSINHJI, M A, LL B (Cantab), BAR -AT-LAW,
F R G S

Personal Secretary and Head of Female Education
MISS (DR) ELIZABETH SHARPE, K H M, F R G S, etc

Chief Medical Officer
DR KESHAVLAL T DAVE, L M & S, etc

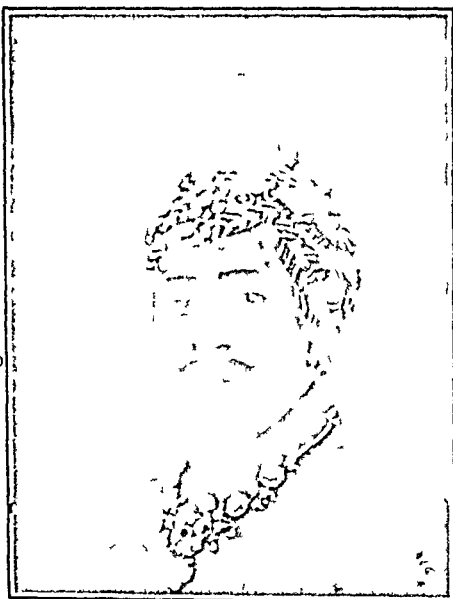
Finance Secretary
MR TULSHIDAS J LAVINGIA, B A

Political Secretary
MR DOLARRAI M BUCH, B A, LL B

Revenue Secretary RANA SHRI JIWANSINHJI, M G B V C

Educational Inspector MR A D PANDYA, B A





RAOIJI SHREL 'SAJJAN-SINHJI, the present Ruler of Mansa State. He is 26 years of age and succeeded to the Gadi of Mansa on the death of his father on 4th January 1934.

Educated At the Princes' Mayo College, Ajmer.

Mansa is by origin, descent and repute an ancient and important State of the Sabarkantha (old Mahikantha) Agency having political relationship with the Government of India through the Hon'ble the A G G. The ruling house of Mansa is lineally descended from the illustrious Vanraj Chavada who in 764 A D ruled both Gujarat and Kathiawar with his capital at Patan,

and according to a statement of an Arabian traveller quoted in the Ras-Mala, he was one of the four great kings of the world.

The late lamented Ruler Raolji Shree Takhtasinhji ruled Mansa for 37 years. During his beneficent regime the State progressed in a variety of ways. He constructed many public buildings, temples and a magnificent Darbargarh (State Palace). Interested as he was in the development of agricultural and natural resources, he induced the cultivators to sink new wells every year and himself took great interest in the plantation of mango trees on a very large scale which added largely to the fertility of the soil and the prosperity of the State. He visited Europe in 1928 and while in England attended the sittings of the Butler Committee on Indian States.

The eldest sister of the present Ruler is married to the Raja Saheb of Bansda and the younger to the Yuvaraj Saheb of Lakhtar. Two of his younger brothers are studying law in England.

Average Annual Income Rs 1,80,000 *Population* 17,000

Mansa is the capital of the State and is situated about three miles from the railway. Electric lighting has been introduced in the capital. The State also maintains water works, a flour mill, a decent library and one dispensary for the comfort of the subjects. Medical treatment and attendance are given free to the people of the State. Primary education is also provided for in the State.

PRINCIPAL OFFICERS OF THE STATE.

General Adviser RAJKUMAR SHREE YESHWANTSINHJI, second brother of the ruler, has got Higher Diploma of the Princes' Mayo College.

Dewan RANCHHODLAL M MEHTA, Esq

Nyayadhish VADILAL M SHAH, Esq, B A, LL B

Palace Medical Officer C P BHATTA, Esq, L C I S

State Medical Officer S V MOHILE, Esq, M B, B S

Raj Riyasat Officer MOHANSINHJI K KHER, Esq

Revenue Officer BHAVSINHJI PARMAR, Esq

SHAIKH SAHEB MOHMAD
JEHANGEERMIAN, SHAIKH
SAHIB of Mangrol

Born 29th October 1860

Accession 29th June 1908

Educated Privately and at
the Rajkumar College, Rajkot

Her-Apparent SAHEBZADA

SHAIKH MOHAMED ABDUL
KHALIQ SAHIB, has four other
sons and five daughters

Area 144 square miles in-
cluding about 67 square miles
non-jurisdictional territory

Revenue Rs 6½ Lacs

Mangrol Chiefship is an Administration having plenary jurisdictional powers analogous to that of second class States as known in Kathiawar Its relations with Junagadh of Political Subordination are mediatized by the British Government This question is still under consideration by Government for final elucidation It is styled as a " Mediatized Taluka under Junagadh "



PRINCIPAL OFFICERS.

Chief Karbhari S ALTAF HUSAIN

Political Officer and Sir Nyayadhish KANTILAL M VASAVADA,
B A , LL B

Huzur Assistant SHAIKH MD HUSAIN

Revenue Commissioner MADHAVLAL S MEHTA, B A

Chief Medical Officer DR G G GATHA, LM & S

Private Secretary K S ABDUL AZIZ

Customs Officer FASHIULHAQ Z ABBASEY

Educational Inspector MD MURTAZAKHAN

Engineer A K PATEL, B E

Head Master IQUAN HUSAIN, B A , LL B

Electrical Engineer M S SAYED



MEHERBAN MADHAVRAO HARIHARRAO *alias* BABASAHEB PATWARDHAN, the present ruler of Miraj Junior State, is the 2nd son of late Shrimant Balasaheb Patwardhan, Chief of Kurundwad Senior. He was selected by the Bombay Government for the chiefship of the Miraj Junior State, and was adopted in December 1899, by Lady Parwatibaisaheb, the mother of the late Chief Laxmanrao Annasaheb, who died prematurely on the 7th of February 1899.

Born In 1889

Educated At the Rajkumar College, Rajkot

Assumption of Powers Was invested with full powers on the 17th of March 1909

Caste Is a Chitpawan Brahman

Marriage Married to Shrimati Thakutaisaheb, daughter of the late Meherban Krishnarao Madhavrao Peshwe of Barreilly. Has three sons and three daughters

Heir-Apparent Eldest son Kumar Shrimant Chintamanrao *alias* Balasaheb, born in 1909 on the 3rd of December. Married

Other sons 2nd son Kumar Hariharrao *alias* Dadasaheb, born in 1911, on 23rd May

3rd son Kumar Krishnarao *alias* Appasaheb, born in 1916, on 9th May

Recreation Daily Muscular Exercise, Tennis and Shikar

Area 196½ square miles

Population 40,686

Revenue Rs 3,68,515

Tribute The State pays an Annual Tribute of Rs 7,388-12-6 to the British Government

Capital Town Budhgaon, (5 miles from Sangli)

Official Rao Bahadur V V Yargop, B A, LL B, Diwan of the State, is the Ruler's sole Minister

Other particulars The Ruler received the Silver Coronation Delhi Darbar Medal in 1911

He is entitled to be received by the Viceroy

The Miraj Junior State has been placed in direct political relations with the Government of India, with effect from the 1st of April 1933. The Resident at Kolhapur acts as Agent to the Governor-General of India, for this State

This State is a full-powered State. It can try its own subjects as well as the subjects of other States for capital offences and can make its own legislature

MAHARAJA PRATAP
CHANDRA BHANJ DEO,
Maharaja of Mayurbhanj

Born February 1901

Succeeded to the Gadi on the
23rd April 1928 on the demise
of his elder brother Lieutenant
Maharaja Purna Chandra Bhanj
Deo

The Maharaja was admitted
into the Chamber of Princes
by his own right in March 1931
by the Government of India

Educated At the Mayo
College, Ajmere and Muir
Central College, Allahabad

Married On the 25th
November 1925, the daughter
of Kumar Sirdar Singhji and
grand-daughter of the late
Rajadhiraj Sir Nahar Singhji,
K C I E, of Shahpura in Rajputana



Heir-Apparent TIKAIT PRADEEP CHANDRA BHANJ DEO

Area of State 4,243 square miles

Population 889,603

Revenue Rs 26,60,384

Salute Permanent salute of 9 guns

PRINCIPAL OFFICERS.

Dewan & Chief Judge of the High Court

DR P K SEN, M A (Cal), M A, LL D (Cantab), Barrister-at-Law

Other Judges of the High Court

MR S N MUKHERJI, B L

MR A K CHATTERJI, B L

Chief Revenue Officer (Excise, Income Tax and Zemindary)

MR P M MUKHERJI, B A

Land Revenue Officer

MR S K CHATTERJI, B A

Chief Engineer (P W D) MR F D WELLWOOD, M I, Mun & CYE

Forest Officer MR F B GAGLIARDI, M R A C, M E F A

Director of Primary Education and Cottage Industries

RAI SAHEB B C PATNAIK

Examiner of Accounts MR J G MUKHERJI, B A

Superintendent of Police MR R C DASH

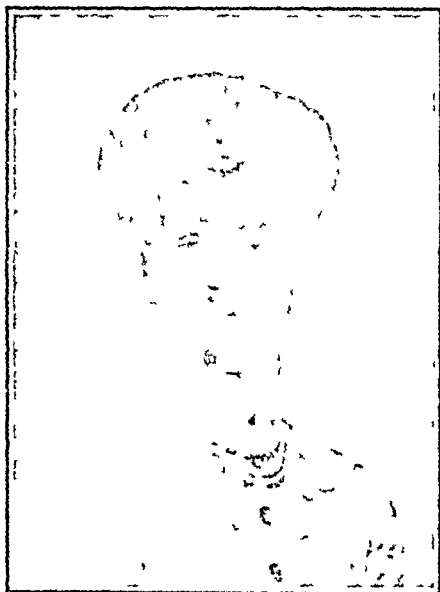
Chief Medical Officer and Superintendent of Central Jail

DR C M SINHA, M B

Director of Industrial and Economic Survey

MR R G DAS, M A, B L

State Archaeologist MR P ACHARYA, B Sc, M R A S



THAKORE SAHEB (SHRI HARISHCHANDRASINHJI of Muli

Born 10th July 1899

Ascended the Gadi on 3rd December 1905 when a minor on the death of his father, and is the 21st descendant from Lagdhirji I, who founded the Gadi of Muli in Kathiawar

Education The Thakore Saheb received his education in the Rajkumar College, Rajkot, and passed the Diploma Examination in 1917 and subsequently acquired the administrative experience under the care of His late Highness the Maharajah Jam Shri Sir Ranjitsinhji Saheb Bahadur, GCSI, GBE, Maharajah

Jam Saheb of Nawanagar, before his formal investiture which took place on the 20th June 1918

Married The Thakore Saheb married Shri Nandkunverba, daughter of Rao Bahadur Raj Bijesinhji of Kunadi under Kotah on the 19th May 1920 and has two sons. Eldest is Yuvraj Shri Dharmendrasinhji and younger is Rajkumar Shri Jayendrasinhji

Heir Yuvraj Shri Dharmendrasinhji

Area of State 133 2 square miles *Population* 17,109

Revenue About Rs 7,50,000 inclusive of the alienations and about Rs 1,50,000 exclusive of alienations

The State enjoys the powers of the old 3rd Class State.

The Thakore Saheb was selected by the Government to represent the Third and Fourth Class States of Kathiawar at the inauguration of the Chamber of Princes, the opening ceremony of which was performed by His Royal Highness the Duke of Connaught on the 8th February 1921. He is a member of the Rajkumar College Council

Family History The rulers of the Muli State belong to the illustrious race of the Parmar Rajputs, from which are descended the most eminent Princes like Vikramaditya known in history as Vir Vikram, Raja Bhoj, Jagdev Parmar and others. The Sodha Parmars of Muli arrived in this Peninsula with Lagdhirji as their head in Samvat year 1215, i.e., 1159 A.D. They first proceeded from Tarparkar to Than and Chotila and finally settled themselves on the banks of the river Bhogavo, where the town of Muli at present stands

HIS HIGHNESS MAHARAJA
SHREE LUKHDIRJI
BAHADUR, KCSI,
Maharaja of Morvi

Born 1876

Ascended the Gadi, 1922

Educated Privately in
India and England

Heir YUVARAJ SHREE
MAHENDRASINHJI Age 16

'Second Son MAHARAJ
KUMAR SHREE KALIKAKUMAR
Age 15

Area of State 822 square
miles Morvi State has a
district in Cutch also

Population 113,024 in
1931 (Increase during 1921-1931, 17 per cent)

Average revenue Rs' 40,00,000 Salute 11 guns

Chief Port in the State Navlakhi Regular periodical
service of ocean-going steamers from Europe, Japan, Java as well
as Indian Ports

Morvi Railway, solely the property of the State, 102 miles

Morvi Tramway, 94 miles

State Postal Service, post offices in over 50 per cent of the
State villages, letter-boxes in a further 20 per cent of them

State Telephone, over 40 per cent of the villages directly
connected with the capital city

Industries in the State Cotton Ginning and Pressing Factory,
Parshuram Pottery Works, Ltd, Morvi Salt Works, a Spinning and
Weaving Mill nearing completion, Railway Workshop and Electric
Power House

Free primary and secondary education

STATE COUNCIL.

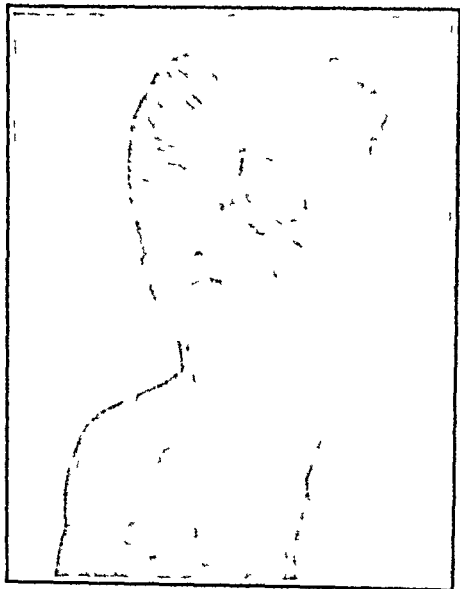
Senior Member & Acting President

M P BAXI, B A, LL B

Junior Member

P P JADEJA





HIS HIGHNESS RAJA VIRPAM SINGHJI BAHADUR, the present Ruler of Narsingarh State, C.I. The ruling family of Narsingarh are Umat Rupputs, an offshoot of the Parmars, the former Lords of Malva

Born. On 21st September 1909 Succeeded his father His Highness Raja Sir Arjun Singhji Bahadur, K.C.I.E., on the 23rd April, 1924 Invested with full ruling powers on the 7th October, 1929

Education At the Daly College, Indore, and the Mayo College, Ajmer, and passed the Diploma Examination from the latter College in April, 1927 After leaving the College, he

went to Bangalore to receive administrative training under the Mysore Government and stayed there for one complete year In July 1928 His Highness proceeded on a short trip to Europe and visited England, Scotland and France This trip was mainly arranged to impart his liberal education a finishing touch

Married A daughter of the Heir-Apparent of the Kutch State in June 1929

His Highness undertook a second continental tour in April 1933, for reasons of health as also to familiarize himself with the various system of Government and to find out ways and means of improving the resources of his State This tour lasted for more than six months and his itinerary included France, Italy, Vienna, Switzerland and the Island of Great Britain

The State pays no tribute to the British Government, but pays annually through the British Government Rs 85,000 (Salim Shahi) to the Indore State and receives annually Rs 1,200 from the Gwalior State and Rs 5,102 from the Dewas Senior and Junior States

Area of the State 734 square miles

Annual income Rs 9,50,000

Population 113,873 souls according to the Census of 1931

Salute 11 guns

The Administration of the State is carried on by a Council of State which consists of four Members, His Highness being the President and the Dewan Vice-President The State has an independent High Court

COLONEL HIS HIGHNESS
MAHARAJA SIR SRI
KRISHNARAJA WADIYAR
BAHADUR, GCSI, GBE,
Maharaja of Mysore.

Born. 4th June 1884

Succeeded 1st February
1895

Educated. Privately

Invested with full ruling
powers 1902 Celebrated
Silver Jubilee of his reign
8th August 1927



Area of the State: 29,474 82 square miles

Population: 6,557,302

Address. The Palace, Mysore, Bangalore, and Fern
Hill (Nilgiris)

EXECUTIVE COUNCIL.

Dewan of Mysore

AMIN-UL-MULK SIR MIRZA M ISMAIL, KT, CIE, OBE

Members

RAJAMANTRAPRAVINA DIWAN BAHADUR K MATTHAN, BA

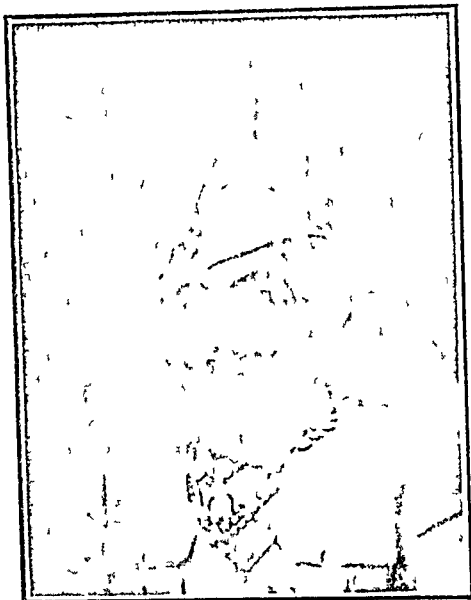
S P RAJAGOPALACHARI, BA, BL

Private Secretary to His Highness

SIR CHARLES TODHUNTER, K.CSI, J.P

Huzur Secretary to His Highness

RAJASABHABHUSHANA T THUMBOO CHETTY, BA



RAJA SHRI KISHORE
CHANDRA MARDRAJ
HARICHANDAN, Ruling
Chief of Nilgiri State,
Orissa

Born 2nd February 1904
Ascended the Gadi On
2nd February 1925

Educated. At the Mayo
College, Ajmere.

Married. On the 28th
February, 1922, the daughter
of His Highness Raja Sir
Pratap Singh, K C I E, of
Alirajpur, Central India and
again on the 19th June 1925,
the daughter of Thakur Saheb
of Thakurgaon (Ranchi).

Heir-Apparent Tikait Shri Rajendra Chandra Mardraj
Harichandan

Area of State 284 square miles

Population 68,598.

Gross Revenue Rs 2,31,687

CHIEF EXECUTIVE OFFICER.

Diwan Babu Krishna Chandra Ghosh, B A, (Retired
Deputy Magistrate and Deputy Collector)

OTHER PRINCIPAL OFFICERS.

Assistant Diwan Babu Mohini Mohan Mukherjee, B L

Revenue Officer Babu Krishna Prasad Mahapatra

Private Secretary Dr M C Das, L M S

Chief Medical Officer and Deputy Superintendent of Jail —
Dr Motilal Ghosh, M B

Deputy Superintendent of Police Babu G N Maha-
patra

Forest Officer G Gupta, Esq, B C E, A M Inst, Sane
(Eng), Member, Federation of Sewage Works Asso-
ciation (U S A)

Zemindary Manager Babu Fakir Mohan Das, B A

**CAPTAIN HIS HIGHNESS
MAHARAJA SHRI
DIGVJAYSINHJI
RANJITSINHJI JADEJA,**
Maharaja Jam Saheb of
Nawanagar

Born 1895 *The*
adopted son of His late
Highness Maharaja Shri
Ranjitsinhji Vibhaji Jadeja

Ascended the Gadi on
2nd April 1933

Educated Raj Kumar
College, Rajkot, Malvern
College and University
College, London

Unmarried

Commissioned in 1919, Regiment 5th/6th Rajputana
Rifles Napiers, rose to the rank of Captain

Specialised courses. Small Arms Course, Lewis Gun
Course, Tactics, Machine Gun Course and the Searchlight
Course

Recreation Racquets, Cricket, Squash, Tennis, Shooting

Address Jamnagar, Nawanagar, Kathiawar

Area of State 3,791 sq miles

Population 423,192

Revenue Rs 94,48,000

Salute 15 guns

Chief Port Bedi Bunder



PRINCIPAL OFFICERS.

Dewan KHAN BAHADUR MERWANJI PESTONJI

Military Secretary and Home Member LT-COL R K.

HIMATSINHJI

Revenue Secretary GOKALBHAI B DESAI, ESQ

Port Commissioner LT-COMMANDER W G A BOURNE,

RN

Manager and Engineer-in-Chief F C NISSEN, ESQ,

J D RAILWAY



MAJOR HIS HIGHNESS
ZUBB-UL-MULK DILWAN
MAHARHAN SHRI TALEY
MUHOMMED KHAN BAHADUR,
G.C.I.E., K.C.V.O., Nawab
of Palanpur

Born On the 7th July
1883

Educated Privately

Ascended the Gadi, 1918

His Highness is a Yusufzai
Lohani Pathan

H H is the 29th Ruler of the House

Palanpur is a very ancient Muslim State in India

His Highness went as a Delegate to the 9th Assembly
of the League of Nations held at Geneva in the month
of September 1928

Heir NAWABZADA IQBAL MUHOMMED KHAN BAHADUR

Area of State 1,768 89 square miles

Population 264,179

Revenue Rs 10,62,466

Salute 13 guns

Two high roads from Ahmedabad pass through the
State and a considerable trade in cloth, grain, sugar and
rice is carried on. The capital is Palanpur situated on the
B B & C I Railway. It is a very old settlement of which
mention was made in the 8th century.

HIS HIGHNESS
SARAMAD-I-RAJAHAI,
BUNDELKHAND SHRI
SAWAI MAHENDRA MAHA-
RAJA SHRI VIR SINGH DEV
BAHADUR of Orchha

Born 14th April 1899

Ascended the Gadi On
the 4th March 1930

Educated In the Daly
College, Indore; Rajkumar
College, Rajkot; and Mayo
College, Ajmer; also recei-
ved administrative training
in the Saugor District in
the Central Provinces.



Married A sister of His Highness the Maharana
of Wadhwan (Kathiawar) on the 4th March 1919, who
is dead, subsequently married a grand-daughter of His
Highness the Maharaja of Gondal

Heir-Apparent. RAJA BAHADUR SHRI DEVENDRA SINGH
JU DEV

Area of State 2,080 square miles *Population* 314,661

Revenue About 17 lakhs *Salute* 15 guns

STATE CABINET.

President

HIS HIGHNESS

Members

SAWAI RAQ RAJA GENERAL KARAN SINGH JU DEV

RAO RAJA COL JAYENDRA SINGH JU DEV

RAO RAJA RAI BAHADUR PT SHYAM BEHARI MISRA,
M A (*Chief Adviser*)

MAJOR B P PANDE, B A, LL B, F R E S, (*Dewan*)

MR. A K PANDE, B A, (*Home Minister*)

MAJOR SAJJAN SINGH, (*Conservator of Forests*)

MR M N ZUTSHI, B A, (*Private Secretary*)

HIS HIGHNESS THAKORE
SAHEB SHRI SIR BAHADURSINHJI, K C I E.

Thakore Saheb of Palitana

Family Gohel Rajput

Born 1900 Year of Succession 1905 Formally installed in 1919

Education Rajkumar College, Rajkot, Preparatory School at Rugby and the Shrewsbury Public-School, England

Married In 1919 to Kunvari Shri Sitaba Saheb, eldest daughter of Maharaj Kumar Shri Bhojrajji Saheb of Gondal

Clubs Willingdon Sports Club, Bombay, Rajkot Gymkhana Club, Rajkot

Recreations Cricket, Tennis, Football, Hockey, Shooting and Riding



Other Activities A member of the Chamber of Princes in his own right A member of the Rajkumar College Council, Rajkot Captain of the Gohelwad Cricket XI since 1921 Captained the WISCA's team in the All-India Tournament in 1932 and won the Challenge Cup A member of the Governing Body of the Western India States Cricket Association Steward of the Kathiawar Race Club

Area 288 square miles Population 62,150 according to the Census of 1931 Revenue Rs 12,00,000 Salute . 9 guns—Permanent Hereditary

Principal Features Palitana is noted for its breed of typical Kathi Horses which are particularly beautiful and in which its Rulers have been taking a keen and personal interest since the last 60 years It possesses one of the oldest studs in India

Reforms Introduced by His Highness the present Thakore Saheb

Establishment of 2 new villages for convenience of cultivators—Grant of liberal scholarships for secondary and higher education and medical relief to almost all villages by the introduction of Medical Aid Scheme—Establishment of new schools—Introduction of English Education in Girls' School—Encouragement to Trade and Industries—Electrification of the whole town at a total cost of Rs 2,00,000—Free supply of pipe water at a few convenient centres at a total cost of about Rs 1,00,000—Establishment of the People's Representative Assembly composed of 20 elected and 20 nominated members—Introduction of a scheme for the benefit of the cultivators on the lines of the Co-operative Societies in British India—Telephone service in important villages and the Child Marriage Restraint Act—Abolition of the toll tax

PRINCIPAL OFFICER.

Dewan K S MULRAJSINHJI



HIS HIGHNESS MAHARAJA
SHRI SIR NATWAPSINHJI
BAHADUR, KCSI,
Maharaja Rana Saheb of
Porbandar

Born 1901
Succeeded to the gadi 1908

Educated At the Rajku-
mar College, Rajkot

Manned In 1920 Kun-
vari Shri Rupaliba, MBE,
daughter of His Highness
Thakore Saheb Shri Sir
Daulatsinhji Bahadur,
KCSI, Thakore Saheb of
Limbdh

His Highness ranks fourth
among the Ruling Princes of

Kathiawar enjoying plenary powers

Club The Roshanara Club, Delhi, The Maconochie Club,
Porbandar

Area of State 642 25 square miles *Population* 115,741
Revenue Rs 20,00,000 *Salute* 13 guns

STATE OFFICERS

Dewan KUMAR SHRI PRATAPSINHJI RAMSINHJI

Naib Dewan MR AMRITLAL T MEHTA, BA, LLB

Private Secretary JADEJA PRATAPSINHJI

Judicial Secretary

MR BHUPATRAY M BUCH, BA, LLB

Railway Manager MR H DALE GREEN

Chief Medical Officer

DR D N KALYANWALA, MRCS (Eng), FRSM,
LM & S (Bom), etc

Ports Commissioners

CAPT R S RAJA IYER, B Com

Officer Commanding the State Forces

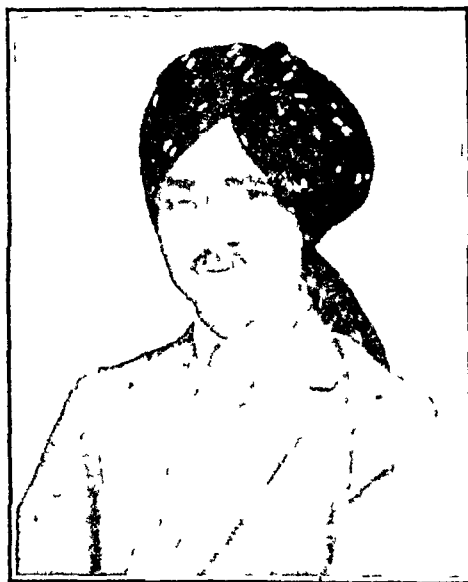
MAJOR UDEYSINHJI N GOHIL

CAPTAIN MEHERBAN
MALOJIRAO MUDHOJI-
RAO NAIK NIMBALKAR
(Maratha), Ruler of Phaltan

Born 11th Sept 1896

Educated at Kolhapur
and Rajkot, obtained
Diploma of the Rajkumar
College

Married In 1913 S
Laxmidevi, daughter of
Shrimant Raje Shambhu-
singrao Jadhav, First Class
Sardar of Malegaon B K
in the Poona District



Heir SHRIMANT PRATAPSIKH alias BAPUSAHEB

Date of Succession 15th November 1917 Phaltan
State dates its origin as far back as the middle of 13th century
The State has full control over its administration, having the
right to inflict capital punishment and to enact its own laws

Area of State 397 sq miles

Population 58,761

Revenue Rs 4,58,095

EXECUTIVE COUNCIL.

President.

K V GODBOLE, Esq, B A, LL B, *Dewan*

Vice-President

S M DANI, Esq, B A, LL B, *Finance Member*

Members

S H KHER, Esq, B A, LL B, *Revenue Member*

B L LIKHITE, Esq, M A, LL B, *Home Member*



HIS HIGHNESS THE
SARF SINGH DARRSIN-
DE SINGHJI Thakore
Sahib of Kalyot, Kathiawar

Born On 31st March 1910,
succeeded to the Gadi on 21st
April 1931

Educated At Rajkumar Col-
lege, Kalyot, and later on in
England at the High Gate
School, London. He belongs to
the Vibhum clan of Jadeja
Rajput and enjoys privi-
leges in the administration of
the State

Area of the State 283 sq. mile

Population 75,510

Annual Revenue Rs. 12,50,000

Dynastic Salute 9 guns

The Administration is carried on a Secretariat system in co-operation with Praja Pratimdh Sabha or People's Representative Assembly based on universal franchise with a Legislative Council and democratic Municipality linked thereto

Rajkot town is a trade emporium, also known for its various industrial activities. It is the headquarters of the W I S Agency, has a "Rajkumar" College and is served by three important Railway lines. Educationally it is a premier city in Kathiawar

PRINCIPAL OFFICERS.

Political Secretary DARBAR SHRI VIRAVATA

Palace Secretary DARBAR SHRI MADARSINHI

Judicial Secretary MR ABHICHAND G. DESAI, B.A., LL.B.

Revenue & General Secretary MR TRIBHUVANDAS P. BHATT

Private Secretary MR DAHYABHAI B. DOSHI

Public Works Secretary MR NENSHI MONJI

Sar Nyayadhish MR H. R. BUCH, B.A., LL.B.

Police Superintendent K. S. VALTRAVATA

Chief Medical Officer DR K. N. BAM, L.M.S.

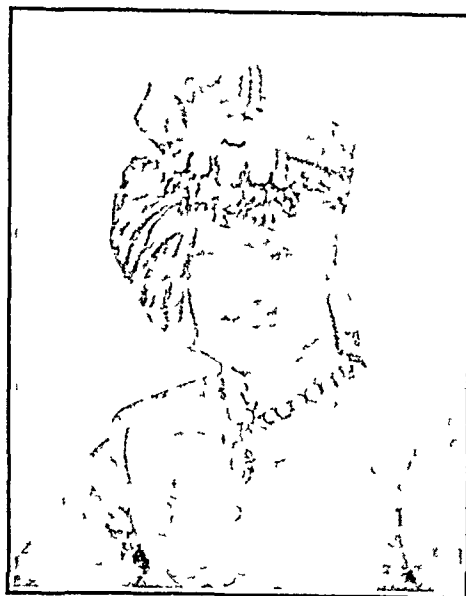
Educational Inspector MR C. A. BUCH, M.A.

Managing Engineer, Electric Supply Co. MR A. C. DAS

H^oIS HIGHNESS NAWAB SAHEB JALALUDINKHAN BABI BAHADUR, the present Ruler of Radhanpur State, is a descendant of the illustrious Babi family who since the reign of Humayun have always been prominent in the annals of Guzerat

Born 1889 Invested with full powers on 27th November, 1910

Educated At the Rajkumar College, Rajkot, and secured the Final Diploma in the year 1909 His Highness was the first Chief in the Bombay Presidency to win the Guzerat Cup at the Pig-Sticking Meet at Bhandu, in the year 1911



The Nawab Saheb is a member of the Chamber of Princes in his own right from the beginning

Hereditary and permanent salute 11 guns

The State of Radhanpur is situated in the North of Guzerat and has 172 villages It is a first class State in the States of Western India with full Plenary, Criminal and Civil Jurisdiction

The State pays no tribute to the British Government or to any other Indian State, but on the contrary receives an annual Jama (tribute) amounting in all to Rs 1,712 from some of the surrounding villages

Area of the State 1,150 square miles

Population 70,530 according to census of 1931

Average gross revenue Rs 7,50,000 to 8,00,000

Cotton, wheat, rapeseed, castorseed and different kinds of grain are the principal agricultural products



CAPTAIN HIS HIGHNESS
ALIJAH FARAND-I-
DILPIZIR-I-D A U L A T I -
INGLISHIA, MUGHLIS-UD-
DAULA, NASIR-UI-MULK,
AMIR-UL-UMARA, NAWAB
SYED MOHAMMAD RAZA ALI
KHAN BAHADUR, MUSTAID-I-
JUNG, Ruler of Rampur The
Reigning family of Rampur are
Syeds and come from the
famous Sadati-i-Barcha in the
Muzaffarnagar District, (U P)

Born 17th November 1906

Succeeded to the Gadi On 20th
June 1930 Formal installation
took place on 26th August 1930

Educated At the Rajkumar
College, Rajkot

Married In 1921 the
daughter of Sahebzada Sir
Abdussamad Khan Bahadur,

KT, CIE His Highness has two sons and two daughters

Heir-Apparent Sahebzada Syed Murtaza Ali Khan Bahadur,
born on 22nd November 1923

His Highness is a Member of the Standing Committee of the
Chamber of Princes, is a keen sportsman and has a taste for music and
fine arts, is a Patron of the Delhi Flying Club, and is a Captain
in the 2 King George's Own Gurkha Rifles

Since the creation of the State of Rampur by Nawab Sayed Ali
Mohammad Khan Bahadur in the middle of the 18th century invaluable
service to Moghal Emperors, alliance with the British against
France in 1771 and perfect devotion to His Imperial Majesty during the
Mutiny of 1857 have been the landmarks of the history of his family.
During the Great War of 1914-18, Nawab Sir Syed Mohammad Hamid
Ali Khan Bahadur rendered meritorious services to the British
Government

Area of State 892 54 sq miles

Population 464,919

Revenue Rs 54 lakhs

Salute Permanent 15 guns

Chief Minister SAHEBZADA SIR ABDUSSAMAD KHAN BAHADUR, KT,
CIE

Political Minister SYED BASHIR HUSAIN ZAIDI, B A (Cantab),
Bar-at-Law

Judicial Minister KHAN BAHADUR MASUD-UL-HASAN, Bar-at-
Law

Finance Minister KHAN BAHADUR M MOHAMMAD HASAN KHAN

Revenue Minister KHAN BAHADUR SYED ABOO MOHAMMAD, M A,
PCS

Army Minister COL D BAINBRIDGE

Household Minister COL SAHEBZADA SYED HASAN RAZA KHAN
BAHADUR

MAJOR HIS HIGHNESS
MAHARAJA SHRI VIJAY-
SINHJI, KCSI, MAHA-
RAJA OF RAJPIPLA

Family Gohel Rajput

Born 30th January 1890

Date of succession 26th September 1915

Educated at the Rajkumar College, Rajkot, and Imperial Cadet Corp, Dehra Dun

Has travelled extensively in Europe and America

Clubs Marlborough Club, London, Hurlingham Club, London, Willingdon Sports Club, Bombay, The Calcutta Club, Calcutta

Recreations Polo, Racing, Shooting

Her Apparent YUVARAJSHRI RAJENDRASINHJI *Born* 1912

Younger Sons Maharaj Kumar Pramodsinhji *Born* 1915
 Maharaj Kumar Indrajitsinhji *Born* 1925

Rajpipla is the Premier State in the Gujerat States Agency Its Rulers enjoy full internal sovereignty

Area of State 1,517 50 square miles

Population 2,06,085 according to the Census of 1931

Revenue Rs 27,00,000 *Salute* 13 guns—Permanent Hereditary

Indian States Forces Infantry Full Company of 165 men, A class first line troops *Cavalry* Troop of 25, B class

Important Feature The State possesses Cornelian and Agate mines The famous cup of Ptolemy is known to have come from the mines at Limbodra in the Rajpipla State

Capital Rajpipla, a pretty little town surrounded on 3 sides by the river Karjan with a population of about 15,000 and is studded with beautiful buildings principal amongst which are the Palace, Guest House, High School and the Gymkhana

Principal reforms introduced by His Highness the present Maharaja

- 1 Making all services pensionable
- 2 Extension of the Survey Settlement System to every village in the State
- 3 Making Primary Education free and grant of liberal scholarships for secondary and higher education
- 4 Liberal endowments for the benefit of widows and the destitute
- 5 Encouragement to Trade and Industry Introduction of the 1027 A L F Variety of cotton throughout the State and development of Pressing and Ginning Industries
- 6 Extension of Railways
- 7 Introduction and organisation of State Forces
- 8 Introduction of the Legislative Council

Principal Officer PHEROZE D KOTHAVALA, Dewan





HIS HIGHNESS BANDHVISH
MAHARAJADHIRAJA SIR
GULAB SINGH BAHADUR,
G C I E, K C S I, Maharaja
of Rewa (Rajput Baghel)

Born 1903 *Ascended the*
gadi in 1918, invested with
ruling powers in 1922

Educated At the Daly
College, Indore

Married In 1919 a sister
of His Highness the Maharaja
of Jodhpur, and also married
in 1925 the daughter of His
late Highness Maharaja Sir
Madan Singh Bahadur,
K C S I, K C I E, Ruler of
Kishangarh

The Maharaja is a noted sportsman and has shot 481 tigers

He was a delegate to the 1st and 2nd sessions of the Round Table Conference and was also a member of the Federal Structure Committee of the Conference. He is a member of the General Council of the Daly College and of the Managing Committee of King Edward Medical School, Indore

Heir-Apparent SRI YUVRAJ MAHARAJ KUMAR MARTAND SINGH SAHEB (born in 1923)

<i>Area of State</i>	13,000 square miles	<i>Population</i>	1,587,445
<i>Revenue</i>	Rs 60,00,000	<i>Salute</i>	17 guns

Rewa is the largest and the easternmost State in the Central India Agency. The State is bounded on the North by the Banda, Allahabad and Mirzapur Districts of the U P, on the East by the Mirzapur District and the Feudatory State of Chhota Nagpur, on the South by the Central Provinces, and on the West by the States of Maihar, Nagod, Sohawal and Kothri. It is very rich in mineral resources.

The Administration of the State on the executive side is carried on by His Highness with the assistance of a State Council of 8 members of which His Highness is the President. On the Judicial side there is a Chief Court consisting of Judges. A Raj Parishad consisting of 39 members, with the number of officials and non-officials almost equal, has also been established to advise on such matters of public interest as are referred to it. His Highness takes keen interest in the development of trade and industries in the State and with that object has instituted a State Bank.

COLONEL HIS HIGHNESS
SIR SAJJAN SINGHI,
G C I E, K C S I,
K C V O, ADC to HRH
the Prince of Wales,
Maharaja Sahib Bahadur of
Ratlam

Born 13th January
1880 Descended from
younger branch of Jodhpur
family He is the recog-
nised head of the Rathor
clan and maintains a moral
supremacy over Rajput
Chiefs in Malwa

Educated At the Daly
College at Indore and
succeeded his father (Sir Ranjit Singhji, K C I E) in 1893

Marrried In 1902 a daughter of His Highness the
Maharao of Cutch and in 1922, a daughter of the well-known
Soda Rajput family of Jamnagar, by whom he has three
daughters and two sons

Served in European War (France) from April 1915
upto 1918, was mentioned in despatches, was presented with
"Croix d'Officier of the Legion d'Honneur" by the French
Government and was granted the honorary rank of Colonel
in the British Army in 1918 Served in Afghan War in 1919

Has enjoyed an international reputation as a Polo
Player

Heir-Apparent MAHARAJKUMAR LOKENDRA SINGHI

Area of State 693 square miles

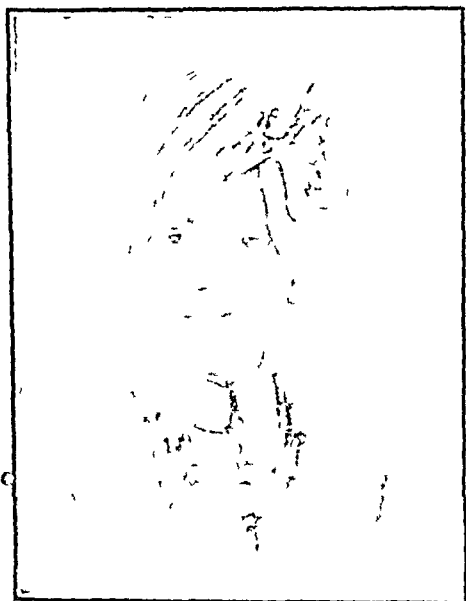
Population 107,321

Revenue Rs 10 lakhs

Salute 13 guns (local salute 15 guns)

Administration Of the State is carried on with the
help of a Council of which His Highness is the President and
RAO BAHADUR DEVSHANKER J DAVE, Advocate, is Dewan
and Vice-President





RAJA SHRIMANT YESHWANTRAO HINDURAO GHORPADE, MAMI AKAT-MADAR, SENAPATHI, Ruler of Sandur

Born 1908 Succeeded to the Throne in 1928 Assumed the reins of administration in 1930

Manned On 22nd Dec 1929 the eldest daughter of Umada-Ul-Mulk, Raj Rajendra, Major Maloji Narsingh Rao Shitole, Deshmukh, Rustamjung Bahadur of Gwalior

A son and heir was born to the Ruler on the 7th December 1931, who is named Shrimant Morar Rao Ghorpade after Raja Morar Rao Ghorpade the illustrious ancestor of the

present Ruler A second son was born to the Ruler on the 16th February 1933, and is named Rajkumar Ranjit Singh

In 1923 the State was brought into direct political relations with the Government of India, in pursuance of Paragraph 310 of the Montford Report, to the effect that "all important States should be placed in direct political relations with the Government of India"

The State possesses sandalwood forests and rich manganese mines Ramandrug Sanitarium (Altitude 3,200 feet) and Shri Karteek-swami Temple are the places of interest

All temples, wells and schools have been thrown open from 1932 to all Hindus irrespective of caste or creed Education is imparted free in the State, up to the Matriculation standard

The "Huzur Darbar" (Executive Council) was constituted on the 1st of April 1932 The Dewan, two Secretaries to Government and any number of extra members whom the Ruler may be pleased to nominate, form the "Huzur Darbar" The following are the Members of the "Huzur Darbar"

- (i) Shrimant Sardar B Y Ghorpade
- (ii) Meherban G T Konnur, B A
- (iii) Meherban V Narasimharao, M A
- (iv) Meherban B V Krishnan Kutty Menon, B A, B L

To afford to the people an opportunity for expressing their wants and wishes to the Government and to enable them to learn first hand how their actions affect the people and to have the benefit of the suggestions of the latter regarding these measures, the Ruler was pleased to constitute a State Council in 1931

HIS HIGHNESS MUBARIZ-
UD-DOWALA NASRUT-E-
JUNG NAWAB SIDI
MOHOMMED HAIDER MOHOM-
MED YAKUT KHAN BAHADUR I,
Nawab of Sachin

Born 11th September 1909

Succeeded 19th November
1930

Marrried Her Highness
Arjumand Bano Nawab Nasrut
Zamani Nawab Begum, the
eldest sister of the Nawab of
Loharu, on 7th July 1930

Educated At home and later
at the Rajkumar College, Rajkot

Brothers Captain Nawabzada Sidi Mohommed Suroor Khan
Bahadur Lieut Nawabzada Sidi Mohommed Freeman Kaiser *alias*
Sahm Khan Bahadur

Sachin is the Senior Habshi State in India The Rulers of Sachin are Habshi Mohommedans, and are the lineal descendants of Nawab Sidi Abdul Karim Mohommed Yakut Khan I, the rightful and Senior claimant to the throne of Janjura, who was dispossessed of his inheritance by his younger brother In 1733 a triple treaty was concluded between the Nawab of Sachin, the East India Company and the Peshwa, on the basis of a defensive and offensive alliance The Ruler of Sachin is a member of the Narendra Mandal (Chamber of Princes) in his own right and enjoys full internal sovereignty

Dumas The Summer Capital of the Ruler, is a delightful sea resort 10 miles by motor road from Surat, also a pleasure resort during the summer for visitors from Bombay, Ahmedabad, etc, connected with grand trunk telephone and other modern conveniences
Amusements Sea bathing, promenade, tennis, cricket, motoring, etc

Sachin Capital of the State and a pretty town on B B & C I Railway

Chief Minister VAZIR-E-AZAM ATMARAMRAO B ACHREKAR,
M A, LL B





THE Ruling Family in the Sant State belong to the Perwar or Parmar caste of Rajput and are believed to have descended from the celebrated family of Vikramaditya and Raja Bhoy of Ujjain. They first came down from Dhur and settled at Jhalod and finally about the 13th Century at Sant. The founder of the family was Raja Sant who with his brother Limdev was forced to leave Jhalod and established himself at Sant.

Area 391 square miles

Population 83,538 (1931)

Revenue Rs 5,21,877

The present Ruler Maharaja Shri Jorawarsinhji was born on 24th March 1881 and installed on the Gadi in 1896. He was formally invested with full powers on 10th May 1902. He was educated in the Rajkumar College, Rajkot, and was associated with the

Government Administration of the State for more than 7 year preparatory to his being invested with full powers. He is an intelligent Prince who keenly supervises the administration of the State. During his regime many improvements have been made and the State is making good progress. The revenue of the State increased—Its lands have been surveyed and regular settlements introduced—Provision for English education made for the first time and Primary and Secondary education made free throughout the State—Election system sanctioned for Municipality—Free medical relief extended by opening new dispensaries in the district. Many other improvements have been introduced during his regime such as founding of a permanent Famine Relief Fund, granting of liberal tagavi loans to the agriculturists during the time of scarcity. Money is also advanced to the local merchants by way of encouragement at cheap rate of interest. Other improvements of utility such as installation of electricity in the towns of Sant and Rampur, clock tower, public gardens, metalled roads in parts have also been made. The regime of Maharaja Shri Jorawarsinhji has been anything but a bed of roses. Famine and lean years had made the financial condition of the State far from satisfactory, but wise management has been instrumental to keeping its head up.

The Rajaji exercises full powers and enjoys a dynastic salute of 9 guns. Primogeniture is the rule of succession to the Gadi and the Darbar's right of adoption has been recognised and confirmed by Government.

During the Great War the services of the Rajaji Sahib were appreciated by Government. The Government were also pleased to recognise the right of the Rajaji to be a member of the Chamber of Princes.

Heir apparent MAHARAJ KUMAR SHRI PRAVINSINHJI was born on 1st December 1907

Educated in the Rajkumar College, Rajkot

Married Maharaj Rajkumari, daughter of Maharaj Kumar Shri Vijayarajji, Heir-apparent, Cutch State, on 15th May 1928, at Bhuj

LIEUTENANT HIS HIGHNESS
MEHERBAN SRIMANT
SIR CHINTAMANRAO
DHUNDIRAO *alias* APPA SAHEB
PATWARDHAN, K C I E, Raja
of Sangli

Born 1890 *Ascended*
the Gadi in 1903 *Educated*
at the Rajkumar College at
Rajkot Her Highness is a
daughter of Sir M V Joshi,
K C I E, C I E, of Amraoti,
Ex Home Member of the
Government of Central Pro-
vinces

Her SHRIMANT RAJ-
KUMAR MADHARAO *alias*
RAO SAHEB PATWARDHAN
YUVARAJ



Area of State 1,136 sq miles

Population 258,442

Revenue Rs 16,79,000

Salute 9 guns permanent and 11 personal Enjoys
I Class Jurisdiction, power to try for Capital Offences any
persons except British subjects

Member or first substitute member of the Standing Committee
of the Chamber of Princes since 1924 Served also as a Member
of the I and II Round Table Conferences and as a member of the
Federal Structure Committee He was elected a member of
the Standing Committee of the Chamber of Princes in 1933

EXECUTIVE COUNCIL

Dewan

RAO BAHADUR G R BARVE, B A

Political Minister

RAO SAHEB Y A THOMBARE, B A

3rd Councillor

RAO BAHADUR G V PATWARDHAN, B A, LL B

4th Councillor.

MR Y V KOLHATKAR, B A, LL B



HIS HIGHNESS RAJA LAKSHMAN SINGH BAHADUR the present Ruler of Suket is a Rajput of the Chanderbansi clan and it is traditionally asserted that the progenitors of the dynasty ruled in Inderprस्था (Delhi) for over a thousand years

Born 15th August 1894

Succeeded his brother Raja Sir Bhim Sen, K C I E, who died on the 12th October 1919. The announcement of recognition and confirmation of his succession was made by the then Lieutenant Governor of the Panjab at an Installation Darbar held at Suket on the 30th March 1920, investing him with full Ruling Powers

Educated Aitchison Chiefs'

College, Lahore After finishing his education at the Chiefs' College, he was placed for special training under the Panjab Government. He had his judicial training under the Judges of the Chief Court, his treasury training under the Deputy Commissioner of Amritsar and Settlement Training under Mr Middleton who was then conducting the settlement operations in the Kangra District

Married His Highness is married to the daughter of Kanwar Guman Singh of Kotli State

Recreations Shooting, Tennis, Cricket and Riding

Her-Apparent SRI YUVRAJ LALIT SEN, born 21st April 1932

Salute HIS HIGHNESS THE RAJA SAHIB BAHADUR enjoys a permanent salute of 11 guns and is entitled to be received by His Excellency the Viceroy and Governor General of India

Address Suket State, Panjab, India

Tel Address Sundarnagar

Area of the State 420 Square miles

Population 58,408 *Annual Revenue* 2,73,000

PRINCIPAL OFFICERS.

Acting Chief Secretary PT MANMOHAN KISHEN WALI, B A, Bar-at-Law

Acting Home Secretary CH ATMA RAM, M A, LL B

Private Secretary RAI SAHIB L SIDHU RAM

MAJOR HIS HIGHNESS RAJE KHEM SAWANT BHONSLE
BAHADUR, Raja of Sawantwadi

Born 20th August 1897

Educated At Malvern College in England and on completion of the course at Second Officers' Training Battalion stationed at Cambridge was granted an Honorary Commission in His Majesty's Army. His Highness served in Mesopotamia as a Second Lieutenant attached to the 116th Mahrattas for nearly 2 years during the Great War. In recognition of these services, His Highness was promoted in 1919 to the rank of Honorary Captain and has been permanently attached to the 116th Mahrattas now the 4/5th Mahratta L I. His Highness was promoted to the rank of Major in 1933. His Highness is a member of the Chamber of Princes in his own right.

Succeeded to the Gadi On 2nd June 1913 and assumed the reins of administration on 29th October 1924.

Married Princess Laxmidevi, grand daughter of His Highness Maharaja Sayajirao Gaikwad of Baroda in April 1922.

Chief Recreations His Highness is a keen sportsman, Cricket and Tennis are his favourite games.

Hair apparent Shrimant Yuvaraj Shivram Sawant, aged 6 years.

Area of the State 930 square miles *Population* 2,30,589

Average Annual Revenue Rs 6,88,000 *Salute* Permanent 9 guns Local 11 guns

Political Relations From 1st April 1933 this State has been brought into direct political relation with the Government of India through the Agent to the Governor-General in Kolhapur.

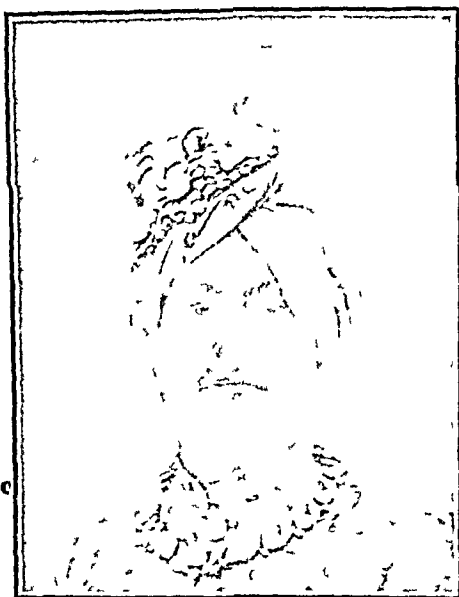
Constitution His Highness exercises full control over the administration of the State through the Diwan, who is assisted by the Heads of Departments and is advised by a Legislative Committee. During the short period of his rule His Highness has given practical proof of his keen interest in every branch of administration and is striving hard to do anything that can be done for the welfare of his subjects. Medical relief is supplied free. A separate Anti Malarial Department is run at an annual cost of about Rs 10,000 for eradication of Malaria. The State spends annually about 10 per cent of its revenue on Education.

Diwan R. R. SHIRGAOKAR, B.A., LL.B.

General Sawantwadi State is an ancient one and was the first State to enter into treaty with the British Government as far back as 1730 A.D. In 1784, the Moghul Emperor at Delhi recognised the sovereignty of the Ruler over the State by means of his Firman which granted to him and his successors the title of Raja and the insignia of royalty, namely, Mochal and the necessary Khilat. This title was subsequently recognised by the British Government.

During the Great War, Sawantwadi shared with the Ratnagiri District the honour of supplying the largest number of men in relation to its population in the whole of Bombay Presidency.





HIS HIGHNESS SAID-UD-DAULAH WAZIR-UL-MULK NAWAB HAFIZ SIR MOHAMMED SAADAT ALI KHAN BAHADUR SOWLAT-I-JUNG, G C I E Nawab of Tonk State (Rajputana) is an Afghan of the Baner tribe known as Salarzie

Born 1879

Ascended the Gadi on 23rd June 1930 on the death of his father H H Sir Mohammed Ibrahim Ali Khan Bahadur, G C S I, G C I E

Educated Privately and is an Arabic and Persian Scholar

Area of State 2,553 square miles

Population 3,17,360 according to census of 1931

Revenue 23,00,000

Salute 17 Guns

During His Highnesses' rule many reforms have been introduced in the administration of the State, the most important being the separation of the Executive and the Judiciary by the establishment of a Chief Court and a Sessions Court

The administration of the State is carried on by His Highness with the help of the State Council, which has also recently been reorganised and put on a firmer constitutional basis by the passing of the State Council Act The personnel of the State Council is as follows —

President HIS HIGHNESS THE NAWAB SAHIB BAHADUR

Vice-President and Finance Member MAJOR D DE M S FRASER, I A

Home Member KHAN BAHADUR SZ MOHD ABDUL TAWWAB KHAN

Judicial Member KHAN BAHADUR SHEIKH RAHIM BUKSH, O B E

Revenue Member KHAN SAHIB MOHD ASAD ULLAH KHAN

Secretary M HAMID HUSAIN, B A

MIANGUL GULSHAH-
ZADA SIR ABDUL
WADQOD, KBE,
Wah of Swat

Born 1885 Established his Government in 1916 and was formally recognised by the British Government in 1926 as Wah or Ruler of Swat

Family history Grandson of the famous Akhond of Swat and a religious leader. The family has great influence among most of the tribes of the trans-border including Afridis, etc., who look to the members as their spiritual leaders and hundreds come to pay homage.

State It is only of recent creation and only due to the ability of the Ruler himself.

Area is approximately 6,000 square miles.

Revenue is 14 lacs and the population is mainly of agriculturists.

The State maintains a standing army of 11,000, including 500 cavalry.

The Ruler had had many difficulties in its creation and it is to his patience and endeavours that it came into existence. He is modern in his ideas and has an elaborate telephone system throughout his State, which includes Buner, Chamla, Khudokhel, Kana, Ghorband, Chakesar, etc. He is keen on roads and buildings and has a Hospital and an Anglo-Vernacular School at Saidu, the capital, besides 16 other Primary schools. It is a great achievement when compared to other contemporary trans-border states of much longer standing. He is busy with the internal reforms, social, economical and political.

Recreations The valley is famous for pheasants, Chikor and ducks, the chief recreation is shooting, motoring and hill climbing also give amusement.

The Ruler is greatly respected in all matters by his eldest son Miangul Abdul Haq J. recognised by the Government as V.

W the head
matt tate
army





HIS HIGHNESS
 MAHARAJADHIRAJ
 MAHARANA SIRLE
 SIR BHUPAL SINGHI
 BAHADUR, GCSI, Ruler
 of Udaipur, the Premier
 State in Rajputana

Born 22nd February
 1884

Marrried First to the
 daughter of the Thakur
 of Auwa in Marwar in
 March 1910 After her
 demise to the daughter

of the Thakur of Achhrol in Jaipur in February 1911
 and then to the daughter of the Thakur of Khudala in
 Marwar in January 1928

Educated Privately

Area of the State 12,753 Square miles

Population 1,566,910 *Revenue* Rs 60,00,000

Permanent Salute 19 *Local* 21 guns

STATE ADMINISTRATION.

Musahib Ala Raj Mewar RAO BAHADUR PANDIT SIR
 SUKHDEO PRASADJI, KT, CIE, BA

Senior Minister DEWAN BAHADUR PANDIT DHARAM
 NARAINJI, MA, Bar-at-Law

Minister P C CHATTERJI, Esq

HIS HIGHNESS SRI
PADMANABHA DASA
VANCHI PALA RAMA
VARMA KULASEKHARA
KIRITAPATI MANNEY SULTAN
MAHARAJA RAJA RAMARAJA
BAHADUR SHAMSHER JANG
Maharaja of Travancore

Born 7th November 1912

Ascended The Musnad
1st September 1924

Invested with Ruling
powers 6th November 1931

Educated Privately

Heir HIS HIGHNESS
MARTANDA VARMA ELAYA
RAJA



Travancore is one of the largest Indian States in South India under the Political control of the Government of India. It is bounded on the North by the State of Cochin and the District of Coimbatore, on the East by the Districts of Madura, Ramnad and Tinnevely and on the South and West by the Indian ocean and the Arabian sea. Travancore has an area of 7,625 square miles and according to the census of 1931, the population is 5,095,973. The State now stands in the forefront of educated India. According to the census of 1931, the number of literates per 1,000 of the population excluding children under 5 years of age is 289. For males the figures are 408 per 1,000, and for females 168. The Ruler of Travancore is the source of all authority, judicial, administrative and legislative. The government of the country is conducted in the name and under the control of His Highness the Maharaja. There is a legislature consisting of an Upper and a Lower House, with a majority of elected members and possessing large legislative and financial powers and powers of interpellation.

The Dewan is His Highness' sole minister

Revenue Rs 2,41,36,000.

Salute 19 guns, local 21 guns

Dewan KHAN BAHADUR SIR MUHAMMAD HABIBU-UL-LAH
SAHIB BAHADUR, KT, KCSI, KCIE, CIE



THAKOR SHREE JORAWAR
SINGHI SURAJMALJI
CHAWDA, the Ruling
Chief of Varsoda State in the
Sabar Kantha Agency

Born On the 17th April
1914

Ascended to the Gadi 1933

Educated Formerly educated
at the Scott College, Sadra,
where he remained for seven
years leaving the College after
a brilliant career in 1930. He
attained first rank in the class
and in the whole College in
English and obtained the Ferris
Medals for the proficiency in

English. Then he was admitted at the Mayo Chief's College, Ajmer,
where he studied for three years and successfully passed the Chief's
College Diploma Examination in second division with distinction.
He also won there the Prize in Law and Administration.

Married On 20th of May 1932, A. S. Dhanwant Kunverba, the
daughter of Maharaul Shree Pravin Singhji of Bansda, the brother of
H. H. Maharaja Saheb Shree Indra Singhji of Bansda State.

Origin Thakor Saheb Shree is a direct descendant of the Chawda
clan of Rajputs tracing from Vanraj Chawda of Anhilpur, Pattan.

Political Relation From April 1st, 1933, the State along with
the other States of old Mahi Kantha Agency (now Sabar Kantha
Agency), has been brought into direct relation with the Government
of India.

The Thakor Saheb Shree Jorawar Singhji has made education free
in the State Schools of Varsoda, Badpura and Delwad for the en-
couragement of State subjects in memory of his investiture ceremony
held in the year 1933.

The State Hospital gives every sort of medicine and medical help
to all, irrespective of class and creed.

Shree Akalshrangji Temple on the bank of the river Sabarmati is a
place of interest.

DARBAR SHREE
SRAGWAI, the Ruling
Chief of Vadia State
in the Western Kathiawar
Agency (Western India
States). He comes of a high
and ancient lineage and is a
member of the Virami Branch
of the illustrious Kathi Clan
from which this Province has
taken its name.

Born. On the 15th March
1901

Succeeded To the Gadi in
1930 and assumed the reins of
the State Administration on
the 7th September 1930

Educated Privately under the
supervision of a competent tutor

Married In 1921 to A S
Kunvarbaisaheb, the present
Rani Saheba and has two daughters and one son

Her-apparent Yuvaraj Shree Krashnakumar Aged about 3
years *Born* in 1931

Rule of Primogeniture governs the succession

Area 90 square miles *Population* 13,719

Revenue Rs 2,50,000

Education is imparted free in the State—Medical relief is given
free to all irrespective of caste and creed—Child Marriage Restriction Act
is applied to the State—Liquor is strictly prohibited—The Farmers are
protected by the special Rules akin to the Deccan Agriculture Relief
Act—A State Village Bank is opened for the convenience of the farmers
Loans are also given to the merchants to facilitate Commerce at very
low interest A New State Hospital with a Tower Clock is being
built in Vadia which will be one of the best buildings in the State

PRINCIPAL OFFICERS.

State Karbhari MR BHOLANATH J THAKER, B A , LL B

Nyayadhish MR SAVAILAL G DHOLAKIA

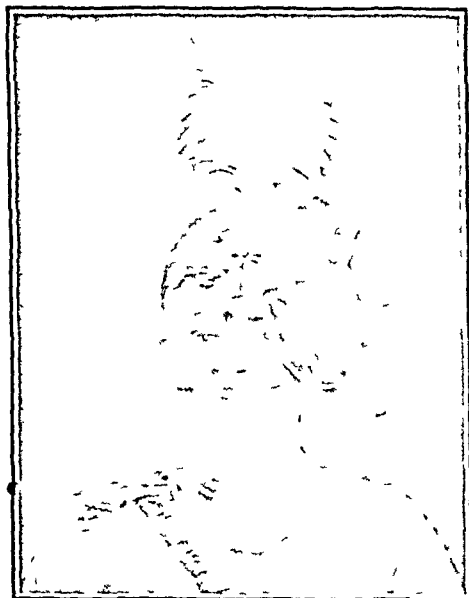
Medical Officer MR KHODIDAS J PANCHOLY, LCPS

Bank Manager & Office Superintendent MR HATHIBHAI R VANK

Private Secretary MR RAMBHAI D PATGIR

Treasury Officer MR PANACHAND BHAWAN SANGANI





HIS HIGHNESS
MAHARANA SHRI
JORAVRSINHJI,
Thakore Saheb of Wadhwan

Born 23rd July, 1899

Date of succession 23rd
February, 1918

Date of Investiture 16th
January, 1920

Educated In the Rajkumar
College, Rajkot

Married First in 1920 with
Laxmikunverba, daughter of
His Highness Rajadhiraja Sir
Naharsinghji, K C I E, of
Shahpura in Mewar

Married Second time in
1932 with Rajendrakunverba,
daughter of the Rao Raja

Saheb Shri Sardarsinghji of Unara under the Jaipur State,
after the demise of the first Ranee Saheba

The Thakore Saheb is a member of the Chamber of Princes
in his own right as he enjoys full autonomous powers of internal
sovereignty. He is entitled to the right of adoption

Area of the State 242.6 square miles *Population* 42,602

Revenue Nearly 7 lacs *Salute* 9 guns

The Thakore Saheb has three sons and one daughter —

- 1 Yuvraj Shri Surendrasinghji, born 4th January, 1922
- 2 K S Virendrasinghji,
- 3 K S Vikramsinghji,
- 4 Kunvaari Shri Hirakunverba

He has four brothers, viz., (1) K S Karansinghji, (2) K S
Banesinghji, (3) K S Sursinghji, (4) K S Harishchandiasinghji

PRINCIPAL OFFICERS

Chief Minister MR B V JOSHI, B A, LL B

Judicial Minister MR G J DAVE, B A, LL B

Private Secretary MR R B DAMRI

Revenue Minister MR G C PARIKH

Director of Public Instruction MR K N SHAH, M A

THAKOR SHREE BAPUSINHJI, the present Ruling Chief of Vasna State in Sabarkantha Agency (Western India States) He inherits a glorious and renowned parentage as he is a member of the venerable family of Jodhaji of the historical Rathod Clan, the illustrious Founder of Jodhpur in Rajputana

Born On the 19th September 1896



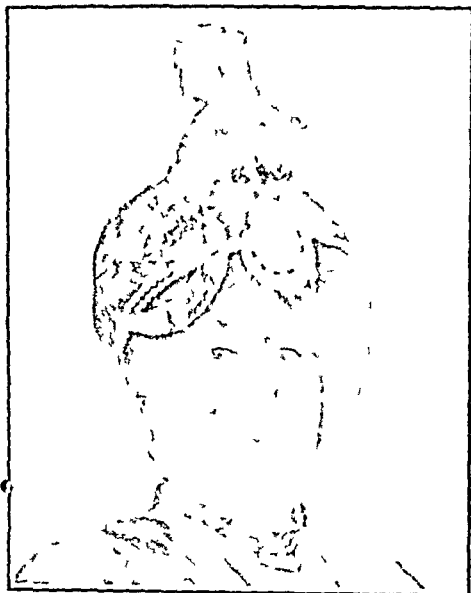
Educated At the Scott Rajkumar College, Sadra, where he had a brilliant career as a student

Succeeded To the Gadi in 1918 and assumed the powers of the State on 26th April 1918

Heir-Apparent RAJ KUMAR SHREE BALBHADRASINHJI aged seventeen months, born on 20th September 1932

Area of State 10 Square Miles *Population* 3,907

The State has rendered remarkable loyal services to Government by leasing one square mile of its fertile land for the Sadra Civil Station Education is imparted free in the State All public Charitable institutions like Dispensary, Girls' School, Anglo Vernacular School and Library of the State are running satisfactorily under the watchful supervision of the present Thakor Shree



RANAJI SHRI
HARISINGJI,
present Ruling
Chief of Wav State in
Banas Kantha Agency
under Western India
States Agency

Born 19th September
1889

Descended from the
well-known Pirathiraj
Chohan Rajput, late
Emperor of Delhi

Educated Privately

Ascended the Gadi 9th June 1924

Her-Apparent, Rajkumar Shri Takhatsingji, aged
11 years

Area of State 759 square miles *Population* 23,070

The State pays no tribute to the British Government
or to any other Indian State

Administration of the State is carried on with the
help of a Council of which Ranaji Shri is the President
and Mr P C Govinden, Chief Karbhari, is Vice-President
and other members are State Officers and subjects

Courts of the State Hazur Court, Sar Nyayadhish
Court, Rajprakarni Court, Nyayadhish Court and
Revenue Officer's Court

Police The sanctioned strength of the regular
State Police is 60 including Superintendent of Police

A qualified Chief Medical Officer is maintained in the
State Hospital Medical Relief at the Hospital is
supplied free

Education is also free throughout the State

HIS HIGHNESS MAHARANA
SHRI AMARSINHJI
BAHADUR, KCIE,
MAHARANA RAJSAHEB of
Wankaner

Born 4th January 1879

Succession 12th June, 1881

*Assumption of full powers of
the State* 18th March, 1899

Educated At Rajkumar Col-
lege, Rajkot

Area of the State 417 sq
miles

Population 44,280

Revenue Rs 7,50,000

Salute Permanent 11 guns

Heir-apparent —MAHARAJ KUMAR SHRI PRATAPSIHJI,
born 12th April, 1907

Dewan M D SOLANKI, B A , LL B

Chief Medical Officer RAO SAHEB J S SHAH, LM & S

Superintendent of Police and Military Secretary RAO BAHADUR
MOHANLAL P SHAH

Nairb Dewan I K PANDYA, B A , LL B

Private Secretary D L MEHTA, B A

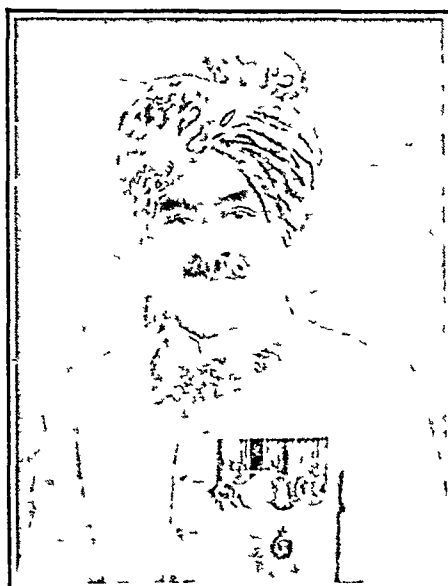
State Engineer V J SHAH, B E

Nyayadhish H M GHODADHRA, B A , LL B

Head Master L D MEHTA, B A

Treasury Officer K L GANDHI, B A , LL B

Municipal Secretary and Lekh Adhikari J K PATEL





MEHERBAN SHRIMANT
NARAYANRAO GOVIND-
RAO *alias* BABASAHEB
GHORPADE of Ichal-
karanji, a feudatory of
Kolhapur State. He is also
a First-class Sardar in the
Deccan and represented the
Sardars and Inamdars in the
Bombay Council from 1900
to 1913.

Born 1871 *Was adop-*
ted in 1876 *and was*
invested with powers in
1892

Educated in the Raja-
ram High School, and College, Kolhapur, Elphinstone
College and Government Law School, Bombay and
attended the High Court for practical training in Law

Married in 1886, Shrimant Sakal Saubhagyawati
Gangabai Maisaheb, daughter of late Mr Mohaniraj Moresh-
war Paranjpe, landlord and pleader, Ahmednagar. Adopted
Venkatrao Raosaheb in 1919, who died in 1924. Visited
Java in 1913. Made three trips to Europe. Went to Burma
in 1927 and to Ceylon in 1930. Is the author of an observant
book called "Impressions of British Life and Character".
Has also translated some English books into Marathi. Has
established a fund called the Ichalkaranji Education Endow-
ment Fund for encouragement of foreign education.

Area of the Jahagir 241 square miles of which
 $\frac{1}{6}$ consists of forest

Population 68,573

Revenue Rs 5,25,158.

Administration is conducted with the help of a Council
of which Mr J L Goheen, of the American Presbyterian
Mission, Sangli, is the head.

M EHRBAN SHRIMANT
PARASHURAMRAO
MADHAVRAO *alias*

BHAUSAHEB PANDIT, HUKMAT-
PANHA, PANT AMATYA, of
Bavada a feudatory of the
Kolhapur State enjoying guaran-
tee from British Government

Born 17th February 1907
Succession on 23rd July 1929
after the demise of his late
lamented father Shrimant
Madhavrao Balasaheb

Educated Under the
guardianship of the Assistant
Resident, Kolhapur

Invested with powers on 16th
December 1931 Exercises full
Revenue, Administrative and
Judicial powers as defined by
the Agreement of 1862

Area 243 Square miles The Jaghir consists of 76 villages

The Pant Amatya saheb enjoys, in addition, 14 Inam villages
in British territory

Population 51,584 souls Annual revenue, on an average of
last five years, Rs 1,99,205, Military Contribution payable to Kolha-
pur Darbar Rs 3,420/-

Administration Various departments of Administration are
conducted with the help of qualified and competent officers principal
of whom are —

Karbhari RAOSAHEB R V KARLEKAR, B A, LL B,

Adviser RAOSAHEB KESHAVRAO G SABNIS, B A

Judicial Officer RAOSAHEB N K PANDIT, ADVOCATE

Settlement Officer Mr S B SARDESHPANDI

Mamlatdar Mr V H KHANDEKER

Medical Officer Dr M B SAWANT, LCPS (Cal)

Khasagi Karbhari Mr B A PALSULE

Huzur Chitnis Mr N K NAPHADE

Within a short period of last two years the following principal
reforms have been introduced

1 Introduction of the
of Revenue Survey and
Settlement

Free Ayurvedic Dispensary
for the helpless poor

2 Secondary and primary
Education free

4 Introduction of Scout-
Movement

Recreation Shooting, Gardening, Tennis, & other games

Gagan Bavda The capital town, at a distance of 34 miles to the
South-west of Kolhapur, is a beautiful Hill-station located on the
top of Sahyadri Mountains at a height of 2,017 feet above sea-level
The historical Fort Gagan-gad commands a picturesque view of the
Konkan surrounding below Ramaling for beautiful ancient Carvings,
and Madhav-Bag the new residence of the Pant Saheb are other
places of interest. Address P O GAGAN BAVDA, (Via KOLHAPUR, S M C)





SHRIMANT NARSOJIRAO
alias BABASAHEB SHINDE
 Senakhaskhel, Sena-
 Dhurandhur, Vishwasnidhi,
 Samust-shree-Dhurandhur of
 Torgal

Founder of Dynasty Narso-
 jirao Shinde founded the Gadi
 of Torgal in 1679 A D

Born 7th July 1910

Educated In Canada (U S A),
 Kolhapur, Bangalore, Panch-
 gini

Travels Canada, Japan,
 China, and Ceylon

Married In May 1931, the
 daughter of the late Jaghiradar
 of Kagal (Senior), uncle of

the present II The Maharaja of Kolhapur

Succession 3rd June 1932

Hen SHRIMANT SAMBIHAJIRAO *alias* UDEYSINGH SHINDE

Recreation Shikar, Football, Cricket, Hockey

Torgal is situated about 110 miles South-East of Kolhapur, in a particularly enchanting mountainous country. The river Malaprabha flows adjacent to Torgal town and it has imparted an indescribable grandeur to the seven walled Torgal Fort which dates from 154 A D and is one of the best fortified forts in the South of Deccan. The Jaghir consists of 34 villages.

The present Shrimant Narsoji Rao is the 9th descendant in the direct line of Narsoji Rao, the Founder of Torgal.

Area 137 2 square miles

Gross Revenue Rs 1,26,117

Population 14,728

Karbhari R J Savant, B A (Retired Municipal Commissioner,
 Baroda State)

There are other Law Graduates serving as Munsiff and Secretary

Principal Crops Cotton, Groundnuts, Wheat

Principal Forest Produce Sandal Wood, Babul and Nimb Tree

Principal Industries Cotton Ginning Factory, Groundnut
 Shelling Machines

Railway Station Gokak Road (M S M), 49 miles from Torgal



CAPT NAWAB
MOHOMUD JAMSHED ALI
KHAN of Bagpat Estate,
 was born in August 1894, and
 belongs to a respectable family
 of Muslim Rajputs. The
 ancestral home is Kalanur in
 the Rohtak District (Punjab).
 Rao Karam Ali Khan, grand-
 father of the present Nawab,
 was founder of the Estate. His
 loyal services were highly
 spoken of by the Civil and Mil-
 itary Officers of the Government.
 On the conferment of a big Jagir
 he settled down at Bagpat (Dis-
 trict Meerut) after the Mutiny
 of 1857-58. On the premature

death of his father Rao Khurshed Ali Khan, the present Nawab began
 to look after the affairs of the Estate while only a boy of 14.

During the Great War (1914-17) he helped the Government with
 men and money, in recognition of which he was granted an Hon.
 King's Commission as a Lieutenant in 1920, and was presented with a
 sword of honour. In 1921 he was also awarded a gold pistol, and a
 gun by H. E. the Commander-in-Chief in India. He received
 the title of Nawab in 1923. The same year he presided over the All-
 India Muslim Rajput Conference at Aligarh. In 1926 he was granted
 the Kaiser-i-Hind Medal and the title of M. B. E. He is a member of the
 U. P. Legislative Council from the advent of the Reforms. In 1928
 he was elected Chairman of the District Board, Meerut. He is Presi-
 dent of the U. P. Zemindars Association, Muzaffernagar. In 1930 the
 Association selected him to go to England at the time of the 1st Indian
 Round Table Conference and to put their case before the British public
 and safeguard the interests of the Zemindars. There he addressed
 a public gathering at Caxton Hall, Westminster on November 25th,
 1930 under the Chairmanship of the Right Honorable Lord Meston,
 K. C. S. I.

Rao Bahadur Abdul Hameed Khan is the younger brother of the
 Nawab who is living jointly with him. He is in charge of the internal
 management of the Estate, and it goes to his credit that the estate
 is prospering under his hands.

SIR JOGENDRA SINGH, K.T., comes from an old military family of the Amritsar district—is also a Taluqdar of Oudh

Born On the 25th of May 1877

Educated Privately at home

From early life he has been interested in agricultural development, education and social reform. Under the guidance of the late Mr B. M. Malabar and Mr George Chesney of the Pioneer, he began regular contributions to the press, and his writings attracted notice. He occupied his leisure hours in writing, reading and riding. Early in life he was called upon to work as a Minister for the young Maharaja of Patiala. Lord Hardinge spoke of the late Sir Zulfiqar Ali Khan and him in high terms in the speech that he made at a dinner in Patiala. After about 2½ years in Patiala, he returned to agriculture again. He joined the Council of State when it was first constituted. In the meanwhile, he wrote several books and edited *East and West* and was President of the Sikh Educational Conference and Member of the Indian Sugar Committee, the Indian Taxation Enquiry Committee, Sandhuist Committee and many provincial Committees in the United Provinces and the Punjab. In 1926 he became Minister of Agriculture in the Punjab—an office which he still holds.





COLONEL MAHIPAL
SRI SINGHJI BAHADUR,
KCSI, ADC to His
Highness, son of late Maharaj
Sri Khet Singhji Sahib,
Bikaner State, Rajputana

Born on Monday, 15th
September 1879. He is the
first cousin and near relative
of Lt-General His Highness
Maharajahdhiraj Raj
Rajeshwar Narendra
Shriromani Sri Singhji Bahadur, GCSI,
GCIE, GCVO, GBE,
KCB, ADC, LLD,
Maharajah of Bikaner

Educated at the Mayo College, Ajmer

He was Personal Secretary to His Highness, Vice-President and President of the State Council and Cabinet, and also held very many high offices in the Bikaner State. He is now in charge of the portfolio of Fort, Bada Karkhana, Zenana-Deodhi, Devasthan, General Records, etc., in the State and is also a Member of the Bikaner State Legislative Assembly. He has got a Thikana in the State consisting of Tejrasar, Kharda, Punrasar, Binjhasar, Abhaisinghpura, Jaisinghdesar, Hadlan, Biror also Canal land in Ajitsar and enjoys the Izzat, Honours, Iawazma and Dignity due to Deodhiwala Rajvies in the State.

Author of "Bhairava Bilas," "Bhairava Vinod" and "Rasik Vinod"

He has built Bhairav Bilas, Ajit Bilas, Khet Ashram, Surya Sadan, Tejrasar House and Hawa Bungalow in the State and has opened a Library called "Abhaisingh Library" in memory of and after the name of his late second son Heroji Sri Abhaisinghji Sahib, born on 2nd June 1919 and whose demise occurred on 16th October 1923.

His Heir and successor is Heroji Sri Ajit Singhji Sahib, born on Monday, 30th July 1917, and is receiving his education at the Mayo College, Ajmer, Rajputana.

RAJA BAHADUR KIRTYANAND SINHA, B A, of Banaili, Purnea, (Behar, India)

Born 1883 Is the youngest son of the late Raja Bahadur Lilanand Sinha

Family History Banaili Raj is one of the premier estates in Behar to-day and has extensive possessions in Bhagalpur, Monghyr, Purnea, Santhal Pergannas and Maldah The original ancestor of the family, Pandit Gadadhra Jha of village Baighi Nawadah, in Darbhanga district, because of his great learning and saintliness received great wealth from Emperor Ghyasuddin Tughlakh Tenth in descent from Gadadhar Jha

was Parmanand Chowdhary, who became the real founder of the Banaili family and his son Dular Sinha Chowdhary, received the title of Raja Bahadur from the East India Company, for having helped them substantially in the Nepal War His son Bedanand Sinha was favoured with the title of Raja Bahadur by Government Raja Bahadur Bedanand Sinha was succeeded by Raja Bahadur Lilanand Sinha and the present Raja Bahadur of Banaili, Kirtyanand Sinha, is his youngest son

Raja Bahadur Kirtyanand Sinha, entered the public life of the Province of Behar very early He was a distinguished member of the old Bengal Legislative Council under the Minto-Morley Reforms, later on served on the Behar and Orissa Legislative Council, as the elected representative of the landholders of Bhagalpur He was President of the Co-operative Movement in Behar and of the Behar and Orissa Law and Order Conference, held at Gaya in 1931 For conferring liberal benefactions to the public he was deservedly decorated with the title of Raja by Government in 1913 He was put on the Champaran Agrarian Committee by Government to represent the Zemindars and was afterwards made a Raja Bahadur by Government He announced grant of lands to recruits from amongst his tenants, for service in the World Great War and placed his own personal cars at the disposal of Government He subscribed over 1½ lacs of rupees towards Government War Loan Bonds and has made various public donations

Chief Recreations While young he was actively interested in Polo, Tennis, Football and Motoring—has a passion for jungle sport and is perhaps one of the most renowned Shikarees in India Angling, gardening, music and writing books on big game shooting and Homeopathic medicines are the other occupations, in which he takes great interest His first book "Purnea—a Shikar Land," is a very interesting work on big game shooting in India





THE RAJ DEO also known as "Deo Munga" has its seat at the village Deo in the Subdivision of Aurangabad in the District of Gaya in the province of Bihar. The Rajas of Deo belong to the Sisodia clan of the Gohilote Rajputs of the solar race and trace their descent from the Rana family of Udaipur (Mewar). The founder of the present line of Rajas came here in the early part of the 17th century.

The present Raja Jagannath Prasad Sinha is the grandson of Maharaja Sir Jaiprakash Singh Bahadur, KCSI, who was famous in his time for his bravery in quelling the rise of certain tribes in Palamau and for his loyalty to the British Raj during the Mutiny of 1857. Raja Jagannath Prasad Sinha is a painter of great merit and is a past master in photography. His histrionic talents are well-known and admired by many people all over India. Lately he has written and filmed a drama named "Punarjanma" which has elicited praise from all men of education and culture in this province. This is the first film produced in Behar. Besides this his other works are "Bhakta Bhagwan," "Bhakta Tuls Das," "Sati Parvati," "Rajrishi Prahlad," "Balkrishna," "Punarjanma," "Kalki Autar," "Beshya" for the stage, "Goswami Tuls Das," "Ras Leela," and "Gobardhan Leela" for Talky.

He has travelled widely and has visited most of the places of interest in India and Europe.

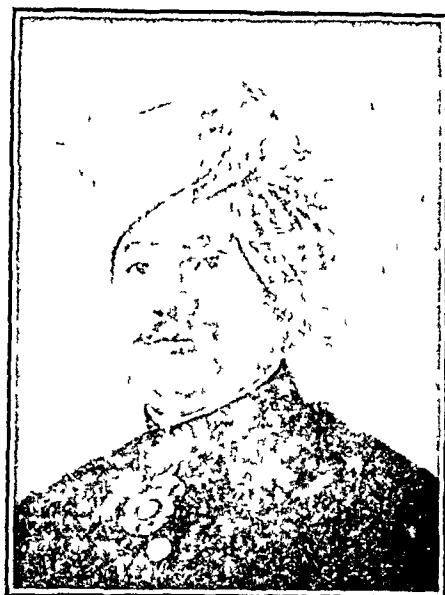
The village Deo is famous for its ancient temple of the sun which is believed to have existed since the "Tretayug". The Raj is bounded on the south by mineral hills which are calling the attention of geologists and are very likely to prove of great interest in the near future.

HIS HIGHNESS THE HON
THE MAHARAJADHIRAJA
SIR KAMESHWAR SINGH
BAHADUR, K C I E, of
Darbhanga

Born 28th November 1907

Ascended the Gadi on 14th July 1929 on the death of his father, Sir Rameshwar Singh Bahadur, G C I E, K B E, D Litt, etc, and is the 19th successor to the Darbhanga Raj

Family history Darbhanga Raj is an ancient principality of long standing and is the premier Raj in Bihar to-day. It is more or less identical with Mithila. The Royal family belongs to the Shrotriya Brahmin family of the highest class and the Maharajadhiraja of Darbhanga is the accredited secular head of this community over which he exercises powers, especially in matters social and religious.



The public donations made so far by His Highness to various Universities, Temples and Colleges amount to 6½ lakhs. Generous concessions to his tenants have been made and their welfare receives the constant attention of the Maharajadhiraja.

His Highness the Maharajadhiraja takes a very keen interest in politics—selected as a delegate to the first and second sessions of the Indian Round Table Conference—has been nominated as a member of the Council of State and elected as the President of the Bihar United Party—President of the All-India Landholders' Association and the Bengal Landholders' Association—Life President of the Bihar Landholders' Association—General President of the Sri Bharat Dharma Mahamandal, the premier Association of the Orthodox Hindus in India—Life President of the Maithila Mahasabha—A life-fellow of the Patna University, a fellow of the Calcutta University and the Royal Society for the Encouragement of Arts, etc—A member of the Royal Empire Society.

In recognition of his public services His Highness was made a K C I E by His Imperial Majesty The King-Emperor of India in January 1933.

Chief Recreations Polo, Tennis and Motoring. His Polo team is considered to be the best in Bihar and has won several trophies.

His Highness possesses a rich library wherein there is a number of valuable old manuscripts.

Area of the State 2,500 square miles



UMADAT - UL - MULK
MAJOR RAJ RAJENDRA
MAJOJI NARSING RAO
SHITOLE DLSHMURH RUSTIME
JUNG BAHADUR, Gwalior

Born 1896 at Kolavadi
in Poona District Adopted
by Shrimant Raj Rajendra
Ramchandra Rao Shitole in
1902 Completed his education
and Military Training in 1914

Marrried In 1914 Baija
Bai, daughter of Sardar Dinkar
Rao Khanwalkar of Gwalior

Visited England in 1911 with
H II Maharaja Madheo Rao
Scindia and was present at
Westminster at the Coronation
Ceremony of H M George V
Represented Gwalior Maharaja
in the procession and Darbar
of Coronation of 1911, Delhi
Awarded Scindia Medal in

1912 In 1917 was entrusted with the charge of Regiments *viz*
Huzurati, Pagnavis, and Ekkan Was President of Lashkar
Municipality in 1919 Served on many committees found to enhance
efficiency of the Gwalior State In 1923 Master of the Ceremony
of the Gwalior State President of the Maratha Educational Con-
ference, 1922 Visited England again in 1926 with family and
was invited to the King's Court Working at present as Muntazim
Jahagirdaran and Member of the Testamentary Board Officiated
Home Member, Gwalior Government, in 1924 and 1930

Family History Ladoji Shitole came with Mahadji Scindia
to Northern India Mahadji gave his daughter Her Highness Bala
Bai Sahiba Maharaj to Ladoji in marriage Jahagirs were given in
Delhi Province and Scindian Territory

Area of the Jahagirs Various places at Pohri, Poona, Khandawa,
Bercha, and Jiran, total villages 250 Total Income Rs 4,66,000

Education Pohri has one High School Municipality managed
with elected Members Jahagirs abound in forest and game abundant

Children Eldest daughter Shushila Raje given to Raja Sahib
of Sandur

Son and heir Sardar Krishna Rao born in 1923 and one more
daughter Shri Vimla Raje born in 1929

ADMINISTRATION.

Karbhari MR G B KULKARNI, B A , LL B (

HIS HIGHNESS MAHARAJA BAHADUR SRI CHANDRA MAULESWAR PRASAD SINGHJI of Gidhour in the District of Monghyr (B & O) belongs to the clan of Chandel Rajputs who settled in the highlands of South Behar as early as in 1066 A.D. The Gidhour House founded that year is still flourishing and influential and is regarded as one of the most ancient aristocracy in the entire province of Bengal, Bihar and Orissa for more than eight and a half century

Area of the Estate 450 square miles

The Maharaja is also the sole owner of several big estates containing mica and other minerals in the outlying parts

Born November 1890

Succeeded his father the late the Hon'ble Maharaja Bahadur Sir Rameswar Prasad Singh, K C I E, in November 1923

Educated under European and capable private tutors at home

The Maharaja has been a member of the Legislative Council since the inception of the Reforms till 1926. He is the President of the Divisional and District Landholders' Associations, being the leading Zemindar of the Division. The Gidhour family is noted for its characteristic devotion and piety, and is also famous for its numerous acts of beneficence and extensive charities. The temple of Baidyanath was built by an ancestor of the present Maharaja Bahadur, who is the permanent President of the Temple Committee.

Recognised by the British Government which conferred in 1877 the hereditary title on the holder of the Estate—"Maharaja Bahadur"—a distinction enjoyed as the premier nobleman of the Province, until a higher title was created for the province in 1920.

The Raj abounds in hills and jungles fairly full of beasts of prey and also game, and the Maharaja Bahadur possesses among his other trophies a fine pair of tusks from a rogue elephant shot by him, as also a charming specimen of Albino—a White tiger also shot by him—which is preserved for show in the Palace.

Maharaja Bahadur's son and heir-apparent Kumar Chandra Chur Singhji, born in February 1917, is being privately educated. His marriage with the eldest Princess of Tehri Garhwal State, U P, has been a recent event of note.

Najib Saheb KUMAR CHANDRA SEKHAR PRASAD SINGH

Officer in charge of Household KUMAR BISWAR SINGH

Dewan BABU BASUKI NATH SAHAI

Secretary N. L. MAJUMDAR, M.A.

Private Tutor to Kumar Sahib PANDIT R. C. SHUKLA, M.A.





SYED MOHIUDDIN
ALI KHAN, NAWAB
MOHIUDDIN YAR
JUNG BAHADUR, BA
(Cantab), known generally
in the public as "Hunter
Sahib," and among the
Hindus particularly as
Govindachary, was born
in 1864 in Hyderabad-
Deccan

Is a descendant on his
father's side of Nawab Raji
Ali Khan (a Farooki by
birth), Ruler of Khandesh
and Nawab Najeeb Khan,
Salar Jung of Delhi, on
mother's side of the Nawabs of Poona and Tippu Sultan

Educated At the Aligarh College and the Trinity
College, Cambridge Passed History Tripos in 1892, and
returned to Hyderabad-Deccan by the end of that year

Served H E H the Nizam's Government with the
interval of 2 years (1332-33F) between 1302-1336F Rose
1923-24 1893-1927

from Division Officer, one after the other, to the posts
of Collector, Division, Famine and Customs, Commissioner,
and finally retired as Director-General of Revenue, Telangana
Districts, by the end of 1927 on the highest possible pension
sanctioned by H E H the Nizam in appreciation of the
services rendered to the Government

Married In 1886 before going to England the only
daughter of Nawab Nazim Jung Bahadur, and after his return
from England made another Nekah He has one daughter
from the former, who is married, and one son from the latter
He is a young man of good promise, and is at present a
Customs Superintendent

NAWAB LUTFUD DOWLA
BAHADUR of Paigah
Estate, Hyderabad,
Deccan



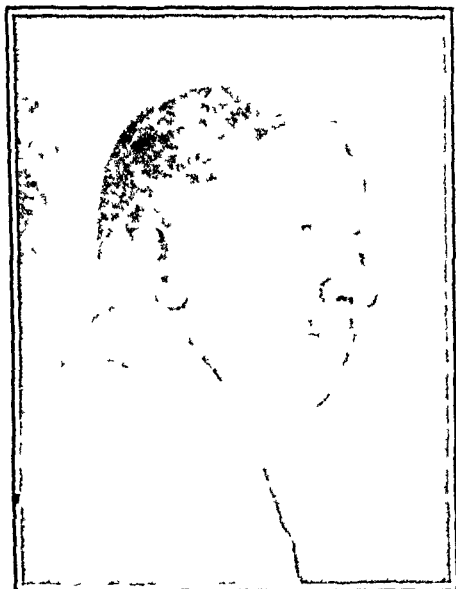
His father Nawab Zafar Jung Shamsul Mulk Bahadur was the son of Nawab Sir Khursheed Jah, Amir-i-Kabir, Shamsul Umara and his mother was the daughter of the then Nizam, Nawab Afzalud-Dowla Bahadur, the grand-father of His Exalted Highness, the present Nizam. The head of this family was the Nawab Abul Fateh Khan, Shamsul Umara I. The Estate of the Paigah was awarded him by the Nawab Mir Nizam Ali Khan, the Second Nizam. From

that time to the present day the Paigah has been held by the family.

Shamsul Umara I was a descendant of the well-known Sufi Shaikh Fariduddin Shaker Gunj. This renowned Sufi died in 1296 A.D. His shrine at Pak Patan is even to-day visited by pilgrims.

Nawab Lutfud-Dowla's real name is Lutfuddin Khan. He was born on the 21st July, 1883 A.D. On the death of his father he succeeded him as Amir Paigah by Command of the Nizam. On the 18th August, 1917, he was appointed Minister for the Army and Medical Departments (Regular and Irregular Forces, Military, Civil and Unani Department and Jail). At the Birthday honours, His Exalted Highness conferred upon him the title of Latafat Jung. On organisation of the Executive Council of the State, he was made Member for the Army, Jail and Medical Departments. On February 16th, 1923, at the Birthday of His Exalted Highness, he was honoured with the title of Lutfud-Dowla. On January 26th, 1925, he was Member in charge of Public Works, Irrigation, Drainage and Registration Departments. On June 7th, 1928, he was appointed Member for the Judicial and Ecclesiastical Departments, in which capacity he still continues.

The area of the Estate is about 1,687 square miles with a revenue of Rs 21,75,397. It consists of 10 Taluqas of 495 villages. Its population is 2,75,448.



NAWAB SALAR JUNG
BAHADUR (MIR
YUSUF ALI KHAN),
one of the premier noblemen
of Hyderabad Deccan, and
the sole representative of
the illustrious family of
Sir Salar Jung the Great of
the Mutiny fame

Born 13th June 1889 at
Poona

Educated At Nizam
College

Was Prime Minister
between 1912-15, has
travelled all over Europe,
Iraq, Persia, Syria,
Palestine, etc, keeps a

Polo Team, has got a fine library, takes interest in the
Industrial Development of the country and is Director of
seven Companies

Area of State 1,480 square miles

Population 202,739

Revenue Over Rs 15 lakhs

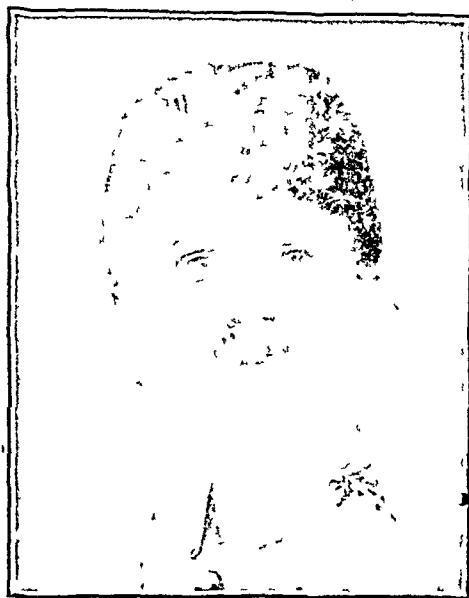
Administration is divided into several departments on
modern lines, and is under direct control of the Nawab Saheb
who personally supervises the work

Family History About the middle of the 17th century
the great grandfather of the Nawab Saheb migrated from
Medina to the Adil Shahi kingdom of Bijapur where he
settled and married into a noble's family. After the fall of
the kingdom, the members of the family took service under
the Moguls. Later on they transferred their allegiance to the
family of the Nizams and served them as Prime Ministers,
who are as follows —

(1) Shair Jung, (2) Ghayur Jung, (3) Dargah Khuli
Khan Salar Jung, (4) Mir Alam, (5) Munirul-Mulk, (6)
Sirajul-Mulk, (7) Sir Salar Jung I, (8) Sir Salar Jung II,
(9) the present Salar Jung

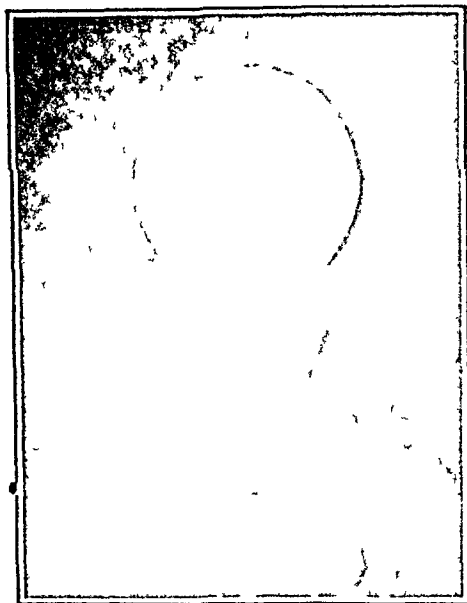
Address Hyderabad (Deccan)

NAWAB MUHAMMAD MOIN-UD-DIN KHAN, NAWAB MOIN-UD-DOWLA, BAHADUR, the only son of the late Nawab Sir Asman Jah Bahadur, one of the three great Paigah Nobles of the Hyderabad State, was born in Hyderabad Deccan in the year 1891. Nawab Moin-ud-Dowla's Paigah or feudal state covers an area of 1,281 square miles and has a population of 276,533, while its annual revenue amounts to Rs 22 lakhs. He carries on the administration with the help of a Council consisting of a President and two Members.



In 1919 Nawab Moin-ud-din Khan Bahadur was given the title of Nawab Eyanath Jung, and in 1922 the title of Nawab Moin-ud-Dowla. In 1923 he was appointed Minister in charge of the Industrial Department and also a Member of the Executive Council. The next year he was given charge of the Military Department and in 1927 he resigned the post, for, by an order of His Exalted Highness the Nizam, his Paigah Estates were released from the Court of Wards and he was made the Amir of the Sir Asman Jahi Paigah.

Though at one time a keen rider, Polo Player and Racing Noble, Nawab Moin-ud-Dowla Bahadur's present main recreation is shooting. He is also passionately fond of watching cricket, and he has done much to encourage the game and raise its standard not only in Hyderabad Deccan but in the whole of India. The All-India Gold Cup Cricket Tournament, which was started three years ago as a result of his munificence, attracts to Hyderabad most of the best Cricketers in India. The last M.C.C. fixture in Secunderabad, Deccan, was also due to his keen interest in Cricket and his generosity.



NAWAB WAJID DOWLAH
BAHADUR Member of
His Exalted Highness the
Nizam's Executive Council in
charge of Army, Education,
Medical and Sanitation, Regis-
tration and Stamps, Archaeolo-
gical and Postal Departments,
is a son of Nawab Sir Vicar-ul-
Ulma Bahadur, Prime Minister
to His Highness the late Nizam
and a member of the Pargah
family, closely related to the
ruling family by marriage.
The Nawab, who was born on
the 16th October 1882, was sent
to England at the early age of 7.
He entered a preparatory School
and after receiving his education

at Eton and Cambridge returned to India in 1900

On his return to India he was attached to a British Cavalry Regiment, The 4th Queen's Own Hussars in Trimulgherry, and afterwards joined The Imperial Cadet Corps on the invitation of Lord Curzon, the then Viceroy and Governor-General in India and had further Military Education and training at Meerut and Dehra Dun, later received the King's Commission. He was then posted on the Staff of General Sir Charles Egerton, Commanding the Southern Division, after which his services were transferred to the Nizam's Government where he took appointment as Musketry Officer to the 1st and 2nd Imperial Lancers Regiments. In 1911 after the present Nizam came in power he was given the high appointment of the Army Minister and in 1917, he was appointed Minister in charge of the Judicial, Police, and General Departments. In 1924 he was appointed to act as President of His Exalted Highness the Nizam's Executive Council. In 1927 on the conclusion of the period of his acting appointment, he reverted to the Minister's Post as member in charge of the Army, Education, Medicine and General Departments. He is the *Ex-Officio* Vice-Chancellor of the Osmania University. Being the senior most member in His Exalted Highness the Nizam's Executive Council, he is also its Deputy President.

The Nawab is a keen sportsman having shot many tigers, and a Polo player.

AGA SHAH ROOKH SHAH,
NAWAB SHAH ROOKH
YAR JUNG BAHADUR

Born At Mazagon, Bombay,
in 1874 Eldest son of the late
Aga Akbar Shah, ex-Sheriff of
Bombay, grandson of His late
Highness the first Aga Khan and
first cousin of His Highness the
present Aga Khan

Educated In English, Per-
sian and Arabic

Marrried Eldest daughter of
the late Aga Shahabuddin Shah
in 1897 at Poona

Nawab Shah Rookh Yar Jung
Bahadur was appointed Hono-
rary A D C to H E H the
Nizam of Hyderabad in 1918, and Honorary Private Secretary
to His Highness the Aga Khan in 1900 He was President of
the Poona Suburban Municipality for two consecutive terms from 1925
to 1931, and Chairman of the School Board of that body from 1925 to
1928 in which capacity he promoted primary education to a great
extent He was the founder and President of the Servants of Islam
Society, Poona, in 1926, Director of the Queen Mary School for Disabled
Indian Soldiers at Kirkee from 1923 to 1933, Jt Honorary Secretary
of the Lloyd Polo Club, Poona, from 1923 to 1928, Chairman of the
Executive Committee of the Poona and Kirkee Boy Scouts Association
for the last two years Elected life fellow of the Royal Society of Arts,
London, in 1927, President of the Poona District Muslim Educational
Society from 1928 to 1931 Nominated as a member of the Bombay
Legislative Council in 1932, Chairman of the House Accommodation
Committee under the Cantonment Act at Poona in 1924 Elected
President of Dairat-ul-Adab, Bombay, in 1933

He is a member of several Clubs and Societies in Bombay and
Poona As a born loyalist he has always stood by the Government

He is an amateur artist in oil colours and is also fond of sport
He regularly hunted with Bombay and Poona Fox Hounds from 1889 to
1898 and participated in many point-to-point races in Poona He was
a keen cricketer and used to captain his family and school teams
between 1898 and 1899





NAWABZADA KHAN
BAHADUR SYED
DILDAR ALI KHAN of
Hosamabad in the District
of Monghyr (B & O)

Born 30th September 1856

Family history Nawabzada is the scion of one of the oldest and noblest family of India claiming its descent from Bani Hashim on father's side and Hossain Syed from mother's side. The family has always been well known for literary attainments as well as political power, and was the recipient of *Allama* from the Emperor Aurangzeb. The Emperor Shah Alam made Nawab Ali Ibrahim Khan 'Khud' a Shash-Hazari (Order of six thousand) noble and conferred the titles of "Khan Bahadur Nawab" and "Aminuddaula Azizul Mulk Naseer Jung". He

is highly spoken of by the authors of "Sirul-Muta-akharin" and "Gulshan Hind" the two most authentic documents in the world of History and literature of the period, and was acclaimed also by Warren Hastings as "Aminuddaula Azizul Mulk-Naseer Jung". During the regime of Lord Cornwallis he was the Chief Magistrate and the Governor of Benares where he died in 1208H. He was the author of "Gulzar Ibrahum", "Khulasatul-Kalam", "Marhatta War book", "Chet Singh's rebellion". His letters adorn the British Museum.

Nawab Ali Khan, the father of the Nawabzada, was recognized as a loyal Zemindar and the Parganas of Rajgir and Amarithu were settled with him long after the permanent settlement in the year of Grace 1878 A.D. The income of the Nawab was Rs. 3 lakhs and the area of the family estate 65,540 acres.

Nawabzada Syed Dildar Ali Khan is the head of the Hosamabad family. He is loved by his tenants and is the emblem of Eastern courtesy. His liberality, generosity and religious fervour are unexampled. He is the chief patron of Islamia High School, Shaikh-pura and was President of the Provincial Shia Conference. Though the Nawabzada has never been very officious about titles owing to his retiring nature the Government granted him a Sanad in 1903 and conferred the title of Khan Bahadur in 1922. He has free license for keeping a certain number of fire-arms.

Sons Syed Mohammed Baqar Ali Khan and Syed Mohammed Jabir Ali Khan

SARDAR BHASAHEB
RAISINGHJI, MLC,
THAKORE SAHEB OF
KERWADA, District Broach

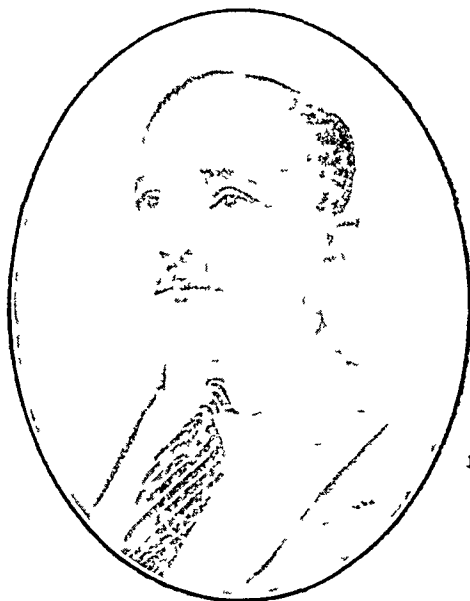
Born 23rd May, 1881

Educated At the Rajkumar
College, Rajkot

Accession At the very early
age of 23 in the year 1904 The
Thakore Saheb has managed the
Thakrat very efficiently increas-
ing the revenue by about half a
lac and has always looked to the
interests of his subjects through
a sympathetic parental eye
Electric lighting and water
supply have also been intro-
duced

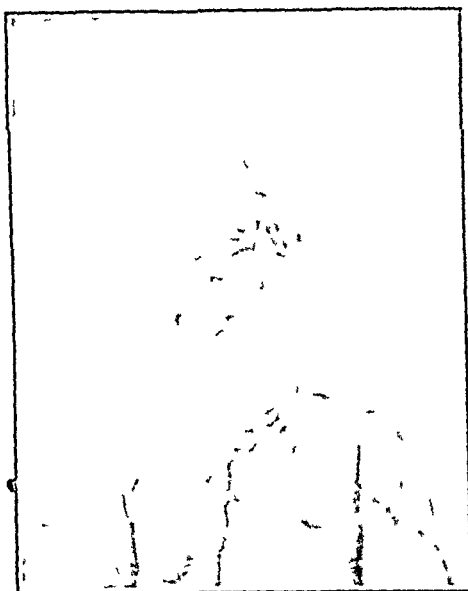
The Thakore Saheb is very
popular with his people as well
as the Government officials

Besides being a first class Sardar of Gujarat, he is one of
the leaders of the Thakores, Sardars, Inamdars and Talukdars of
Gujarat whom he has represented for more than 21 years in the Bombay
Council



The Thakore Saheb has been Honorary First Class Magistrate
for 27 years—Was President of the Wagra Taluka Local Board for
about 17 years and First elected non-official President of the Broach
District Board Is a member of the District Local Board of Broach
Is Chairman of the School Board of the District Local Board of
Broach Is Vice-President of the Anjuman-I-Islam, Broach—A member
of the B B & C I Railway Advisory Committee, Agricultural Research
Committee of Bombay Presidency, etc The Thakore Saheb has been
a staunch supporter of the Constitutional Government for the last
21 years and supplied well over 1,500 recruits during the War as a re-
cognition of which service he has been presented with three medals
One from the War Office, one from the Iron Cross for best work and
one special Medal from H E Lord Willingdon as Governor of Bombay
He presented a motor ambulance on behalf of the Talukdars of Gujarat
to be used in the War and subscribed Rs 50,000 towards the War
loan

Recently after the suspension of the Broach Municipality by
Government he has been elected Chairman and within a short period
of 12 months has succeeded in restoring its financial condition, showing
a balance of nearly Rs 90,000 on hand after money being spent on
many improvements in the City



RAJA KRIPA CHANDRA
MANASINGHA HARICHAN-
DAN MARDARAJ BHRA-
MARBAR RAY of Paralud, Orissa

Born In June 1899

The Ruler of Paralud claim their descent from the warrior class (Rathor) of Northern India and the first Raja Sudarshan Ray had a small fiefdom at Jupur about forty miles to the north east of Cuttack in Orissa. His son Raja Jaduraj was the real founder of the dynasty who established his kingdom at Bondo in Bampur,

Orissa. In course of time the family removed to Paralud, consisting of a group of Islands and bounded on three sides by the lake Chilka and on one side by the Bay of Bengal. The land area is 67 sq. miles and water area of Chilka Lake is 150 sq. miles.

The family obtained the hereditary title of Raja from the British Government in 1872 and as such holds the first position in Bihar and Orissa. The present Raja is the 22nd heir of the family. His grandfather, Raja Gour Chandra Manasingha Harichandan Mardaraj Bhramarbar Ray and great grandfather Raja Chandra Sekhar Manasingha Harichandan Mardaraj Bhramarbar Ray obtained the titles of Raja Bahadur and C S I, respectively, from the British Government for their humanitarian service in helping people at times of famine in 1866 and 1892. The family is well known for its fidelity and loyalty to the British Government.

Educated At the Rajkumar College, Raipur

Succession In August 1930, on the demise of his father Raja Radhamohan Manasingha Harichandan Mardaraj Bhramarbar Ray

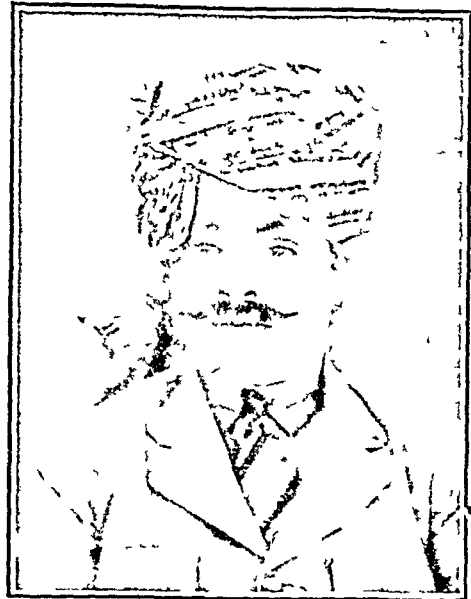
He was made a member of the Advisory Committee of the Bengal Nagpur Railway in June 1933 and the Chairman of the District Board, Puri, in the latter part of 1933. He is also a member of the General Council, Raipur College.

Married The sister of the Ruling Chief of Athamallik (Orissa) in March 1931

RAJA YUVERAJ DUTTA
SINGH of Oel and
Kaimarah Estates,
Lakhimpur-Kheri, Oudh,
U P

Born On the 31st of
July 1907

Asscended the Gadi On
the 24th of April 1933
on the death of his late
grandfather Raja Krishna
Dutta Singh His father
Kr Ram Dutta Singh
died in the life-time of the
late Raja Krishna Dutta
Singh who died on the
15th of December 1932 at the age of about 72 years



The estate is the biggest estate in the district of Kheri and one of the most prominent estates of Oudh It remained under the superintendence of the Court of Wards from August 1896 to 24th April 1933 on the request of the late Raja during which period the estates flourished very well and the income increased from roughly $3\frac{1}{2}$ lakhs to about 9 lakhs The area of the estate is 196,960 acres and consists of 223 whole villages and 16 partials The estate gives very high guzaras to the members of the family The next heir to the estate is eldest son of Raja Saheb, Kr Jagdish Naram Dutta Singh who is now about 7 years

Raja Yuveraj Dutta Singh is a Chauhan Thakur and was educated for a number of years at the Mayo College, Ajmer He was married in 1926 to the daughter of the late Raja Bindeshwari Parshad Singh Sahib of Payagpur, an estate lying in the districts of Bahraich and Gonda in Oudh The late General Padam Jung Bahadur Rana, the third son of the late His Highness the Maharaja Sir Jung Bahadur Rana, Prime Minister of Nepal, was the father-in-law of Kr Ram Dutta Singh, the father of the present Raja

The estate has its capital at Oel, but the headquarters of the present Raja are at Lakhimpur-Kheri

Raja Yuveraj Dutta Singh is interested in motoring and tennis which are his chief hobbies He is a non-official visitor of the District Jail and an Honorary Magistrate



AITMAD-UD-'DOULA, VIQAR-UL-MULK, NAWAB SIR LIAQAT HYAT KHAN, Kt, OBE, K.B., Prime Minister, Patiala, is the eldest surviving son of the late Hon'ble Nawab Mohammad Hyat Khan, CSI, of Wah in the Attock District of the Punjab

He entered the Punjab Government Service in 1909 as a Deputy Superintendent of Police and received unusually early promotion to the Imperial Police where he held several important appointments with conspicuous success. His services were recognized by the grant of the "King's Police Medal" and the titles of "Khan Bahadur" and "OBE," as also a grant of land from Government

In 1923 his services were lent to His Highness the Maharaja Dhuraj of Patiala as Home Secretary, but His Highness soon raised his status to that of Home Minister placing under his control the administration of some of the most important Departments in the State. In 1928 his meritorious services to the State were recognised by Government by the grant of the high title of "Nawab" which is now a rare distinction.

After seven years' loyal and efficient service to the State His Highness was pleased, as a mark of favour and appreciation, to appoint the Nawab Sahib as his Prime Minister and confer upon him the following honours and rewards —

- (1) Title of Aitmud-ud-doula, Viqar-ul-mulk, "Nawab" and Tazim (Hereditary)
- (2) Jagir and Biswedari yielding an annual income of Rs 51,000 (Hereditary)
- (3) Cash reward of Rs 1,01,000
- (4) First seat in Darbar to the left of the Gaddi (Masnad-i-Shahi), (Hereditary)
- (5) Khillat of Rs 1,700 on all Khillat occasions for him and his heirs

He represented the State twice at the Round Table Conference and again as a delegate to the Parliamentary Joint Select Committee. In January, 1933, His Majesty the King-Emperor conferred upon him the honour of "Knighthood."

During the last ten years the Nawab Sahib has introduced many important reforms in the State, and has proved himself to be a very capable and efficient administrator and a statesman of high order. His politeness, impartiality and keen sympathy with the people of the State have made him immensely popular with all classes of His Highness' subjects.

BIRAJ SRI GAJAPATI
GOLDISWAR NABAKO-
TIKARNATOIKAI A
BIRADHIPKABAI BARGISA-
KADHIKAI, BHUTAVIRKAI SA-
DHUSASONOTIKIRNA ROUTAPAJ
ATULALAPAKARAST SANIG-
KAMASAPASAPAHU KSHETRIYA-
KULADHUTAKITU MAHARADHI-
KAI SRI SRI SRI RAJA
RANACHANDRA DEB RAJA of
Puri (B & O) belongs to the
famous Gunga Vanshi Rajput,
Descendant of King Chodagang
Deb who came from Southern
India. The present Raja is the
direct lineal descendant of the
Hindu Kings of Orissa.

Maharaja Dibya Singh Deb,
the grandfather of the present
Raja, was conferred with the
title of Maharaja by the present
Government. The Moghul

Government conferred on this family the hereditary title of Maharaja.

Many of the Rajas and Ruling Chiefs of Orissa were under the
sovereignty of this house until the British conquest and many of the
Rajas and Ruling Chiefs still use the title conferred on them by this Raj
which was the fountain of honour.

The Raja is the hereditary guardian of the famous Temple of
Jagannath at Puri. Electric lighting has been installed in and around
the temple for the comfort of the pilgrims visiting the Temple.

Born 6th November 1898 as 3rd son of Raja Satchidanand
Tribhuban Deb, late Chief of Bamra, a native State of Orissa, later
got adopted to Puri family. Succeeded his late father Raja Mukund
Deb on 14th February 1926.

Married A Princess of the famous Bhanj family of Mayurbhanj.

Educated At Bamra State High School and then at Calcutta.
He is the 1st educated Raja of Puri gadi.

Heir-Apparent SRI SRI SRI NILKANTH DEB JENAMONI, born 2nd
July 1929. *2nd Prince* SRI SRI RAJRAJ DEB SANJENAMONI, born 8th
May 1933. *Princess* RAJKUMARI KASTURIKAMODINI DEBI, born 1931.

STAFF.

Dewan Babu Bipin Behari Gupta. *Asst Dewan* Babu Ram
Sahay Lall. *Temple Commander* Babu Jadumoni Das.

Peshkar Babu Biswanath Rajguru.

Treasurer Babu Gurucharan Bebartapatnaik.

Bill Dept Babu C Bose.

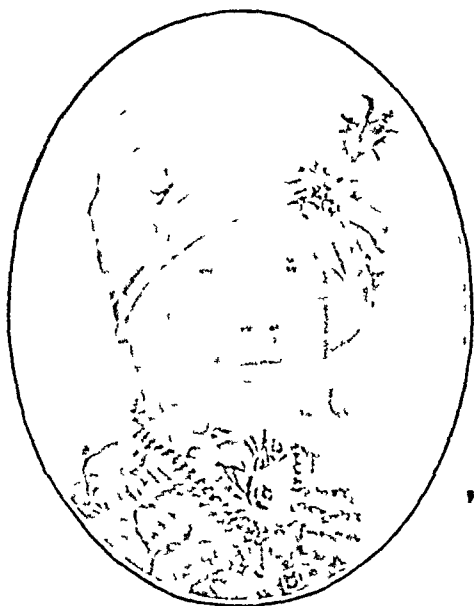
Nazir Lala Gopinath.

Landed Estate's Officers Lala Shyam Mohan and Babu N C Patnaik.

Law Babu Ganeswar Misra. *Sanitary Supervisor* Dr Dinakar
Rao, L M F. *Domestic* Babu Lokenath Das.

Works and Repair Babu D B Patnaik.

Teshildars of different circles Babus Bainshidhar Bebartapatnaik,
Bihari Patnaik, Damodar Das, Birabhadra Mohanti, Mathuranand
Mohanti, Brahmanand Mohanti, Atchutanand Misra.



THE INDIAN CALENDARS.

Mahomedan

1934	1352	
January 1	Ramzan	14
January 17	Shuwal	1
February 16	Zil-kaideh	1
March 17	Til hjed	1
April 16	.. Moharram	1

1934	1353	
May 15	Safar	1
June 14	Rubbi-ul-Awwal	1
July 14	Rubbi us-Sanee	1
August 12	Jamadi-ul-Awall	1
September 11	Jamadi-ul-Sanee	1
October 11	Rajab	1
November 9	Saban	1
December 9	Ramzan	1
December 31	Ramzan	23

Bengalee

1934	1340.	
January 1	Pous	17
January 15	Magha	1
February 13	Phalgun	1
March 15	Chaitra	1

1934	1341	
April 14	Vaishakha	1
May 15	Jyaishta	1
June 16	Ashada	1
July 17	Shravana	1
August 18	Bhadra	1
September 18	Asvina	1
October 18	Kartika	1
November 17	Marga	1
December 17	Pous	1

Samvat

(S=Sudee, B=Budee.)

1934	1990.	
January 1	Pous	B 1
January 16	Magh	S 1
January 31	Magh	B 1
February 14	Fagoon	S 1
March 2	Fagoon	B 1
March 16	Chaitra	S 1
April 1	Chaitra	B 1
April 14	Adhik Bysack	S 1
April 30	Adhik Bysack	B 1
May 14	Bysack	S 1
May 29	Bysack	B 1
June 13	Jeshtha	S 1
June 28	Jeshtha	B 1
July 12	Asad	S 1
July 27	Asad	B 1
August 11	Sawan	S 1
August 25	Sawan	B 1
September 9	Bhadraya	S 1
September 24	Bhadraya	B 1
October 9	Asv	S 1
October 23	Asv	B 1

1934

1991

November 8	Kartick	.. S
November 22	Kartick	B
December 7	Marga	S
December 21	Marga	B
December 31	Marga	B 1

Telugu & Kanarese

(S=Sudee, B=Budee.)

1934.	1482	
January 1	Pushyam	.. S
January 8	Pushyam	S
January 24	Pushyam	.. B
February 7	Magham	S
February 12	Magham	B
March 8	Phalgunam	S
March 22	Phalgunam	B

1934

1483.

April 6	Chutram	S
April 21	Chutram	B
May 6	Vaishakham	S
May 21	Vaishakham	B
June 5	Jyeshthom	S
June 19	Jyeshthom	B
July 4	Ashadham	S
July 18	Ashadham	.. B
August 3	Sravanam	S
August 17	Sravanam	B
September 1	Bhadrpadam	S
September 15	Bhadrpadam	B
October 1	Ashwijam	S
October 15	Ashwijam	B
October 30	Kartikam	S
November 14	Kartikam	B
November 28	Margasirram	S
December 14	Margasirsha	B
December 28	Pushyam	S
December 31	Pushyam	S

Tamil-Malayalam.

1934	1109	
January 1	Margali-Dhanusu	18
January 14	Thai-Makaram	1
February 12	Masi-Kumbham	1
March 14	Panguni-Meenum	1
April 13	Chaitru-Mesham	1
May 14	Vaikasi-Vrishabham	1
June 15	Ani-Mithunam	1
July 16	Adi-Karkatam	1
1934.	1110	
August 17	Avani-Chungam	1
September 17	Pooratasi-Kanni	1
October 17	Aappasi-Thulam	1
November 16	Martikai-Brishchi-	
	kam	1
December 15	Margali Dhanusu	1
December 31	Margali Dhanusu	16

The Calendars.

...more common than we found at the beginning of this book. Below are given details of the other Calendars in use in India.

The *Jewish* Calendar is in accordance with the system arranged A.D. 358. The Calendar dates from the Creation, which is fixed as 760 years and 3 months before the beginning of the Christian Era, the year is Luni solar.

The *Mohammedan*, or era of the Hejira, dates from the day after Mahomet's flight from Mecca which occurred on the night of July 15, 622 A.D. The months are Lunar.

The *Parsi* year was derived from a combination of the Hejira and Samvat years by the order of Akbar, it is Luni solar. The *Bengali* year seems also to have been related at one time to the Hejira, but the fact of its being Solar made it lose 11 days each year.

The *Samvat* era dates from 57 B.C., and is Luni solar. The months are divided into two fortnights—*sudi*, or bright, and *badi*, or dark. Each fortnight contains 15 tithis, which furnish the dates of the civil days given in our calendars.

PUBLIC HOLIDAYS IN 1934

Parsee (Shchenshahi)

Umi-bedi Navroz	March	21
Avan Tashan	April	14
Adar Tashan	May	10
Zarthost no Diso	June	14
Gutha Gahambar	Sept	6
Parsi New Year	"	6 & 7
Khordad Sal	"	12

Parsee (Kadmi).

Avan Tashan	March	15
Umi-bedi Navroz	"	21
Adar Tashan	April	13
Zarthost no Diso	May	15
Gutha Gahambar	Aug	6
Parsi New Year	"	7 & 8
Khordad Sal	"	13

Mahomedan (Sunni).

Ramzan Id	Jan	17
Bakri Id	March	26
Muharram	April	25
Id-e-Milad	June	30
Shrab-e-Barat	Nov	22
Mahumaur (Bombay City only)	Dec	22

Mahomedan (Shia)

Shahadat e-Hazrat Ali	Jan	8
Ramzan Id	"	17
Bakri Id	March	26
Muharram	April	25
Shahadat-e-Imam Hasan	June	11
Id-e-Milad	"	30

Hindu.

Makar Sankranti	Jan	14
Maha Shivratri	Feb	12
Holi (2nd day)	March	1
Ramnavami	"	24
Cocosnut Day	Aug	24
Gokal Ashtami	Sept	1
Ganesh Chaturthi and Samvatsari	"	12 & 13
Dussehra	Oct	17
Diwali	Nov	6, 7 & 8

Jewish

Pesach (1st day)	March	31
Pesach (2nd day)	April	6
Shabbath	May	20
Tishaberb	July	22
Rosh Hoshana (2 days)	Sept	10 & 11
Kippur (2 days)	"	18 & 19
Sukkoth (2 days)	"	21 & Oct 2

Jain.

Chaitra Sud 15	March	30
Shravan Vad 13, 14 and Bhadrapada Sud 1	Sept	6, 7 & 9
Shravan Vad 30 and Bhadrapada Sud 2 & 3	"	8, 10 & 11
Pajushan, Bhadrapada Sud 5	"	13
Kartik Sud 15	Nov	21

Christian.

New Year's Day	Jan	1
Good Friday	March	30
Easter	Mar	& Apr 31 & 2
Christmas	Dec	24, 25 & 26
New Year's Eve	"	31

Note—If any of the Mahomedan holidays shown above does not fall on the day notified, the Mahomedan servants of Government may be granted a sectional holiday on the day on which the holiday is actually observed in addition to a holiday on the day notified.

	PAGE		PAGE
Administration, Assam ..	158	Agriculture Bombay Presidency ..	70
—Baluchistan ..	160	—Burma ..	129
—Agency ..	171	—Central Province and Berar ..	142
—Baroda ..	171	—Chief Crops ..	282
—Bengal Presidency ..	101	—Communion (Royal) ..	285, 286
—Bihar and Orissa ..	144	—Dairying ..	285
—Bombay Presidency ..	80	—History of ..	285
—Burma ..	170	—Hyderabad ..	163
—Central Provinces and Berar ..	142	—Kashmir ..	206
—Education ..	157	—Live stock ..	284
—French India ..	214	—Madras Presidency ..	80
—Forests ..	648	—Manures ..	281
—Hyderabad ..	160	—Mysore ..	170
—Justice ..	142	—N. W. Frontier Provinces ..	152
—Madras ..	80	—People engaged in ..	980
—Mysore ..	160	—Punjab ..	121
—N. W. Frontier Provinces ..	153	—Soils ..	280
—of Portuguese India ..	211	—Statistics ..	280, 282
—Police ..	453	—United Provinces ..	110
—Punjab ..	121	Agricultural and Horticultural Society of	
—United Provinces ..	111	India (Calcutta) ..	105
Advertisers, Seventh Day Mission ..	436	—Capital ..	280
Advisory Committees (Local), Railway ..	606	—Improvement ..	280
Afghanistan ..	230	—Co-operative Societies ..	280
—Assassination of Habibullah Khan ..	240	—Cultivation ..	281
—Consul for ..	250	—Export ..	283
—Post-war relations with India ..	240	—holdings, nature of ..	574
—Relations with India ..	230	—implements ..	280
Afghan Mission to India, 1920 ..	241	—Irrigation ..	281
—Peace Treaty ..	241	—machinery ..	280
—Wars ..	43, 46, 48, 240, 256	—produce ..	282
Agri Khan (The) ..	953	—progress ..	285
Age and Sex ..	977	—Research ..	286
Agency, Political, Baluchistan ..	172	—Imperial Council of ..	286
—Banas Kantha ..	187	—Council, Constitution of ..	287
—Central India ..	170	—Work of ..	286
—Cutch ..	187, 190	—Institute and College ..	285
—Deccan States ..	193	—Societies ..	381
—Eastern States ..	196	—Statistics ..	280-308
—Gujarat States ..	191	Agri-Horticultural Society of Burma ..	405
—Kathiawar ..	187	—Madras ..	405
—Rajputana ..	173	Ahmedabad, yarn at ..	713
—Sabar Kantha ..	187	Aircraft Depot ..	263
Agra and Delhi Architecture ..	24	—Park ..	264
—University ..	367	Air currents ..	316
Agreement, Anglo-Persian ..	231	—Force, Royal ..	263
—Anglo-Russian ..	218	—Routes to India ..	932
—Opium, with China ..	761	Airways, Imperial ..	549, 932
—Smuts—Gandhi ..	987	—National, Indian ..	549, 933
Agriculture ..	280	—Trans Continental, Indian ..	932
—Assam ..	156	Ajmer-Merwara ..	161
—Baluchistan ..	160	Akalkot ..	193
—Baroda ..	170	Akbar, Emperor ..	39
—Bengal ..	99	Alexander the Great ..	37
—Bihar and Orissa ..	135	Aligarh University ..	367

INDEX.

Index to Imperial Trade Guide and advertised businesses, see pages iv to vi.

	PAGE		PAGE
A		Act, Indian Merchant Shipping (Amendment)	462
Abo- Expedition	246	— — — Merchant Shipping (Second Amendment)	465
Absorption of gold	768	— — — Mines	490
Accidents, mining	711	— — — Patents and Designs	766
— Railway	696	— — — Press (1910)	655
Act, Ancient Monuments Preservation	32	— — — Press and Registration of Books	655
— Assam Labour and Emigration 482, 757		— — — Prisons	458
— Auxiliary Force (Amendment)	462	— — — Railways (Amendment)	464
— Bombay Municipal Boroughs	81	— — — Tariff (Amendment)	463
— Cantonments (House Accommodation Amendment)	464	— — — — (Ottawa Trade Agreement) Supplementary	462
— Central Provinces Local Self-Government	144	— — — — (Second Amendment)	466
— Central Provinces Village Panchayat	144	— — — Tea Control	464
— Children (Pledging of Labour)	461	— — — Wireless Telegraphy	463
— Co-operative Credit Societies	378, 396	— — — Industrial Courts	536
— Cotton Cess	779	— — — Land Acquisition (Amendment)	463
— — — Ginning and Pressing Factories	739	— — — Murshidabad Estate Administration	464
— — — Textile Industry (Amendment)	461	— — — Natal Township	988
— — — — (Second Amendment)	464	— — — Newspapers Incitements to Offences	655
— — — Transport	739	— — — Oudh Tenancy	875
— Criminal Law (Amendment)	47	— — — Permanent Settlement	874
— Cross's (Lord)	46	— — — Presidency Banks (1876)	671
— Dangerous Drugs (Amendment)	465	— — — Press and Registration of Books (1867)	655
— Declaratory	442	— — — Prevention of Seditious Meetings	47
— Emigration	982	— — — Prisons (of 1894)	458
— Factory	486	— — — Provincial Criminal Law Supplementary	462
— Government of India	51	— — — Punjab Land Alienation	875
— Heavy Chemical Industry (Protection)	913	— — — Reforms, of 1910	51
— High Courts, India	443	— — — Safeguarding of Industries	462
— Imperial Bank of India (of 1920)	671, 967	— — — Salt Additional Import Duty Extending	461
— India Councils	47	— — — Sea Customs	771
— Indian Arbitration (Amendment)	464	— — — Tea District Emigrant Labour	483
— — — Coinage	880	— — — Trade Unions	533
— — — Copyright	466	— — — Transvaal Asiatic Land Tenure	991
— — — Councils	47	— — — Vernacular Press	46, 655
— — — Currency	881	— — — Workmen's Compensation	497
— — — Factories Act	486	— — — — (Amendment)	463
— — — Finance	461	Acworth Committee (Railway)	690
— — — Forest (Amendment)	461	Adam's Bridge	699
— — — High Courts	443	Aden administration	162
— — — Income-tax (Amendment)	462	— — — area	162
— — — — (Second Amendment)	463	— — — Climate	162
— — — Insurance Companies	769	— — — Population	162
— — — Marine (Amendment)	461	Administration, Aden	162
— — — Medical Council	465	— — — Army	257
— — — Merchandise Marks	766, 771		

	PAGE		PAGE
Army, Indian Signal Corps	265	Arts, Industrial	26
— — — State Forces . . .	268	— metal-work	27
— — — Territorial Force ..	268	— modern conditions . . .	28
— — — Troops	275	— stone-work	26
— Infantry, British ..	261	— textiles	27
— Kashmir	266	— wood-work	27
— King's Commission . . .	269	Aryans, history of	37
— Kitchener's (Lord) Scheme	257	Aryo-Dravidian people . . .	969
— Levy Corps	267	Asoka, King of India	37
— Military Council	258	Assam administration	158
— — — Farms Department	267	— agriculture	156
— — — Territorial Areas . .	258	— Area	156
— Minor Campaigns	256	— border tribes	246
— Mutiny, Indian	256	— communications	156
— Mysore	170	— Ecclesiastical Department	425
— National Defence Expenditure on	272	— Finances of	157
— Officers	269	— Judicial Department .. .	448
— Overseas Expeditions . .	255	— Labour and Emigration Act	482, 757
— Remount Department . . .	266	— Legislative Council	159
— Reorganisation of	255	— manufactures, trade . . .	156
— Resc. ve of Officers, Indian	270	— minerals, mines	156
— Salvation, in India	440	— Mission, American Baptist	431
— Service Corps, Indian . .	266	— Native States under . . .	198
— — — Educational	267	— Officials	158
— — — Engineer	262	— population	156
— — — Mechanical Transport	266	— rainfall	156
— — — Medical	264, 265	Assembly, Legislative	73
— — — Ordnance	266	Assistant Superintendents of Police	454
— — — Remount	266	Associated Chambers of Commerce of	
— — — Signal	265	India	727
— — — Terms of	267	Association, All-India Blind Relief	584, 585
— — — Veterinary	267	— — — Bombay Millowners' . .	727
— Sikh Wars	256	— British Empire Leprosy Relief	583
— Squadrons	263	— (of) British University Women	416
— Staff	258	— Calcutta Jute Dealers' . .	750
— State Forces, Indian . . .	268	— — — Stock Exchange . . .	721
— Strength	275	— (of) Columbia University Alumni in	
— Tank Corps, Royal	268	India	417
— Territorial Force	265	— Cotton, East India	740
— Training Institutions . . .	269	— — — Research	739
— Vellore Mutiny	255	— European	407
— Viceroy's Commission . .	269	— Grain Merchants'	730
Art, Bombay School of . . .	21, 22	— Indian Chamber of Commerce	722
— History of	19	— — — Jute Mills	749
— Indian	19	— — — Research Fund	569
— Painting, modern	20	— — — Roads and Transport Develop-	
— Painting mural	22	ment	409
— Schools of	21, 22	— Jute Mills	749
— sculptures	10	— Lady Minto's Indian Nursing	594
— Society, Bombay	406	— Millowners, Bombay .. .	727
Artillery, Royal	261	— — — Mutual Insurance . . .	728
		— National, for Supplying Medical	
		aid to the Women of India	590
		— Native Piece-Goods	739

	PAGE		PAGE
Allahabad University .. .	366	Arbitration (Amendment) Act, Indian	464
All India Blind Relief Association	54, 585	—of industrial disputes	536
—Congress .. .	937	Archæological Survey	69
—Labour Associations	530	Archæology	29
—Missions .. .	424	—Caves	30
—Parties Muslim Conference	951	—Department	32, 69
—Union Congress	50	—Gandhara monuments	30
—War Memorial	563	—Inscriptions	31
—Women's Deputation	545	—Monumental pillars	29
All Parties Muslim Conference	951	—Saracenic Architecture	31
Alwar State .. .	179	—Structural Temples	31
Amanullah Khan's Reforms	242	—Topes	30
Amb	185	Architecture .. .	23
Amber .. .	718	—Indian	23
Ambulance Association, St John	587	—Modern	24
American Arcot Mission	133	Arcot Mission	433
—Baptist Assam Mission	131	Area, cultivated and uncultivated	299
—Bengal Orissa Mission	131	—Forest	617
—Foreign Mission	131	—irrigation	300, 311
—Telugu Mission	131	—of India	166
—Board of Commissioners for Foreign		—of Indian States	166
Missions	433	—under crops ..	301-305
—Consul ..	254	Argentine Consul	250
—Evangelical National Missionary		Army	255
Society ..	438	—and war	255
—Friends' Mission	438	—Administration, present system	257
—Mennonite Mission	436	—Afghan Wars	256
—Presbyterian Mission ..	432	—Aircraft Depot	263
—Wesleyan Methodist Mission	110	—Park ..	264
Amir Habibullah	217, 240	—Air Force, Royal	263
—and the War	217, 241	—Artillery, Royal	261
Anatolian Railway Company ..	248	—Auxiliary Force	267
Anchor Line .. .	547	—Baroda	172
Ancient Monuments Preservation		—British Forces in India, Regular	261
(Amendment) Act	32	—Capitation payments	274
Andaman and Nicobar Islands	161, 459	—Cavalry, British	261
Andhras .. .	38	—Child Welfare in the	581
Andhra University	367	—Command, Chain of	259
—Valley Project	335	—Commander in Chief	257
Anglican bishops .. .	423	—Cost of	274
—Missionary Societies ..	423	—Department	257, 268
Anglo Indian League .. .	405	—Education in ..	269
—Persian Agreement ..	231	—Effectives 1933	271
—Russian Agreement	218, 222, 237	—Engineer Services	262
Annamalai University	367	—Fighting Races	270
Annexation of Oudh	44	—Forces	264
—Pegu ..	44	—Infantry	264
—Punjab ..	44	—Mutiny	256
—Upper Burma .. .	44	—Officers	269
Anthropological Society of Bombay	405	—French Wars	255
Anti-Malarial Co operative Societies	393	—Frontier Militia	267
Appointments, India Office	164	—Headquarters	258
—Miscellaneous .. .	69	—Health of	275, 581
		—Hyderabad	168
		—Indian Cavalry	264

	PAGE		PAGE
Basel Evangelical Mission	138	Bengal, Public Works	102
Basra	225	— railway	697
Bassein, Treaty of	12	— rising in	43
Bastar State	197	— schools	103
Battle of Buxar	41	— sedition in	49
— of Chillianwala	44	— soil	99
— of Hydaspes	37	— States under	195
— of Maiwand	46	— trade	99
— of Plassey	41	Bentinck, Lord William	43
— of Wandiwash	41	Berar, <i>see</i> Central Provinces	
Beam Stations, Wireless	652	Bhandarkar Oriental Research Institute	405
Belgian Consuls	250	Bharatī Itihāsa Samśhodhak Mandal	105
Benares	199	Bharatpur State	177
— Hindu University	366	Bhatgar Dam	313
— Mathematical Society	405	Bhavnagar State	188
Bengal administration	101	Bhopal State	182
— Anarchy in	47	Bhor	191
— and N W Railway	697	Bhutan State ..	184
— area	99	Bibby Line	547
— Bank	671, 675	Bible and Medical Mission	436
— Chamber of Commerce	723	Bibliography Forest	650
— Coasting Trade ..	100 (b)	— Glass and Glassware	761
— Collectors ..	101	— Irrigation ..	314
— Colleges	103	— Mines and Minerals	720
— Commissioners	101	— Wool Industry	751
— Council	107	Bihar, ancient kingdom of	37
— Courts of Justice	101	— and Orissa administration	136
— Eastern Railway	697	— agriculture	135
— Ecclesiastical Department	424	— area	135
— Education	103	— Council	139
— exports	100 (a)	— Courts of Justice	136
— finances	103	— Ecclesiastical Dept	425
— fisheries	644	— education	137
— Governors of	106	— famine ..	329
— Governor's staff	105	— finance	137
— imports	99	— fisheries ..	641
— Industries	99	— hospitals	137
— irrigation	102	— Industries	135
— Judicial Department	445	— Irrigation Department	136
— languages	99	— Judicial Department	448
— Legislative Council	107	— land tenures	136
— Lieut -Governors of	106	— Legislative Council	139
— Manufactures	99	— Manufactures	135
— Marine Department	102	— Medical Department	137
— Municipalities	101	— minerals	135
— Nagpur Railway	697	— officials	139
— natural productions	99	— Orissa opium	135
— officials	105	— people ..	135
— people of	99	— police	136
— police	102	— rainfall	135
— population	99	— revenue	137
		— Roads and Buildings Dept	136
		— tobacco	35

	PAGE		PAGE
Association, Nursing	594	Bangalore Races	1003
—Press, of India	656	Banganapalle	187
— — — Owners'	411	Bank, Bombay Central Co-operative	383
—Share and Stock Brokers	720	—branches .. .	672
—St John Ambulance	587	—Imperial, of India	671, 676
—Trained Nurses'	594	—of Bengal ..	671, 675
—Western India National Liberal	414	—of Bombay	676
—Women's Christian .. .	415	—of Madras	676
—Women's Indian	414	—Madras Central Co operative	383
—Young Men's Christian	414	—Rate	682
— — — Women's Christian	415	—Reserve	676
Associations, Railway Labour	530	Bankers and Shroffs, Private	682
Asylums, Lunatic	587	Bankers' Clearing Houses .	683
— — — and Lunacy in India	587	—Indian private .. .	682
Athletics	1025	Banking business, classes of	671
Auckland, Lord .. .	43	—Committee, Indian Central	387
Aundh	103	—in India .. .	671
Aurangzebe	10	Banks at Baroda .. .	172
Australia, Indians in	981	—Bengal, Bombay and Madras	671
Australian Baptist Mission	431	—Co operative Central .	383
Austrian Consul .. .	250	—Deposits in .. .	674
Auxiliary Force	267	—Exchange	678
— — — (Amendment) Act	462	—Joint Stock .. .	680
—Training of Indian Officers	260	—Land Mortgage .. .	387
—University Corps ..	268	—London Agents of	681
Aviation, Civil	548	—People's .. .	394
		—Presidency .. .	671
		—Provincial, Co operative	383
		Bansda .. .	191
		Banswara State .. .	174
Babar, Emperor	39	Baptist-Australian Foreign Mission	431
Badges, Distinctive .. .	624	—Missions, American ..	431
Baghdad Railway	219	— — — Assam .. .	431
— — — Map of .. .	249	— — — Bengal-Orissa	431
Bahawalpur	200	— — — Canadian ..	431
Bahrain Islands	224	— — — English .. .	430
— — — communications	224	— — — Societies .. .	430
— — — customs duties ..	224	— — — Strict Mission ..	431
— — — pearls	224	— — — Telugu Mission ..	431
— — — trade	224	Bar Organisation	444
Balance of Trade	911	Barakar Iron Works	711
Balasinor	191	Baria State	192
Baluchistan administrations	160	Baroda administration ..	172
—Agency	172	—agriculture .. .	172
—Agriculture	160	—area .. .	171
—area	160	—army .. .	172
—education	160	—banks .. .	172
—fishing	160	—Co operative Credit Societies	172
—foundation of province	160	—education .. .	172
—minerals .. .	160	—history .. .	171
—officials	161	—minerals .. .	172
—physical features .. .	160	—population .. .	171
—police	160	—railways .. .	172
—population .. .	160	—revenue .. .	172
Banas Kantha Agency	187		

	PAGE		PAGE
British University Women in India, Association of	416	Calcutta Improvement Trust	343
Broadcasting	652	—Jute Dealers' Association	750
—Company, Indian	653	—Nursing Association	502
broadcast Receiving Licenses	653	—Port Trust	346
Bronze Coinage	881	—Races	1007
Buddhism	972	—Stock Exchange	721
Budget, Indian	862, 864, 965	— — — — Association	721
—Expenditure on National Defence	272	—University	366
—Railway	690, 965	— — — — Commission	376
Bundi State	176	Calendars	1257
Bureau of Information, Indian Students'	999	—Indian	1258
Burma administration	130	Cambay	192
—agriculture	129	Canadian Baptist Mission	424
—Agri-Horticultural Society of	405	—Presbyterian Mission	431
—area	129	Canal, Suez	550
—Corders	246	Canals, <i>see</i> Irrigation.	
—Chamber of Commerce	734	Canning, Lord	45
—Chief Commissioners	130, 133	Cantonments (House Accommodation) Amendment Act	464
—Commissioners	130	Cape Town Conference	959, 991
—Ecclesiastical Dept	425	Capital, agricultural	379
—education in	131	—the New	500
—Finances	132	Capitation Charges, Army	272
—fisheries	646	Carpet weaving	751
—forests	129	Caste	16, 18
—future of	963	—Marks	16
—Governors	133	Catholic Churches, Roman	428
—industries	129	Cauvery Reservoir Project	313
—Irrawaddy Flotilla Co	129	Cavalry, British	261
—irrigation	131	—Indian	264
—Judicial Dept	449	Caves	30
—Justice in	130	Cawnpore, massacre at	44
—Legislative Council	134	Cement	925
—Lieutenant-Governors	133	Censorship, Press	654
—Manufactures	130	Census	972, 973
—Medical Department	131	Central Asian Mission	437
—minerals	129	—Board of Revenue	67
—natural productions	129	—Co-operative Banks	382
—officials	133	— — — — Bombay	382
—people	129	— — — — Constitution of	382
—petroleum in	130, 715	— — — — Functions of	382
—police	131	— — — — Madras	382
—Public Works	131	— — — — Working of	382
—railways	129, 697	—Cotton Committee,	737
—revenue	132	—Government	62
—Round Table Conference	963	—Hindu Society of Great Britain	1000
—States under Government of	204	—India Agency	179
Burmese War	43, 46	—Legislature	964
Busra, <i>see</i> Basra		—Provinces and Berar administration.	143
		— — — — agriculture	142
		— — — — area	142
Cairo to Koweit railway scheme	248	— — — — Chief Commissioners	143
Calcutta, Black Hole of	41	— — — — Colleges	145
—Chess Society	467	— — — — Courts of Justice	143

	PAGE		PAGE
Bijapur, architecture of	24	Bombay Presidency Labour Office	543
Bikaner State	178	— — — Legislative Council	87
Bilaspur	201	— — — Local Boards	80
Bills of exchange	678	— — — Manufactures	79
Birth and Death Rates	578	— — — Medical Dept	83
Black Hole of Calcutta	41	— — — Union	406
Blanket Weaving	751	— — — Municipalities	81
Blindness in India	83	— — — natural productions	79
Board, Railway	68	— — — officials ..	85
Boards, Local	339	— — — people	79
Bolivian Consul	250	— — — Police	81
Bombay	79	— — — population	79
— — — Anthropological Society of	105	— — — Port Trust	347
— — — Art Society	106	— — — provincial finance	83
— — — Banl	671, 676	— — — schools	82
— — — Baroda and C I Railway	697	— — — soil	79
— — — Central Co-operative Bank	383	— — — staff of Governor	85
— — — Chamber of Commerce	726	— — — Strike Enquiry Committee	536
— — — — Indian Merchants	728	— — — talukas	80
— — — Cotton Mill Industry	491, 513, 536	— — — textile industry	79
— — — Ecclesiastical Department	425	— — — Races	1004
— — — Fisheries	645	— — — riots in	48
— — — Foreign Consulates in	638	— — — Royal Asiatic Society, Branch	406
— — — Grain Merchants' Association	730	— — — Sanitary Association	406
— — — Horse Show	994	— — — School of Art	21
— — — Hydro-Electric Works	334	— — — Stamp Duties	934
— — — Judicial Department	146	— — — Stock Exchange	720
— — — Labour Office	543	— — — — Committee	721
— — — League of Nations Bureau	468	— — — Strike Enquiry Committee	536
— — — Legislative Council	87	— — — University	366
— — — Medical Union	406, 446	— — — Woman Suffrage Debate	595
— — — Millowners' Association	727	Bonus Dispute Enquiry Committee	536
— — — Mutual Insurance Association	728	Botanical Survey	68, 568
— — — Municipal Boroughs Act	81	Boxing	1023
— — — Native Piece goods Association	730	Boy Scouts	303, 375
— — — Natural History Society	406	Boys' Christian Home Mission	436
— — — Nursing Association ..	592	Brass-work	27
— — — Piece-goods Merchants' Association	730	Brazilian Consuls	250
— — — Police	81	Britain, Indians in	998
— — — Port Trust ..	347	British and Foreign Bible Society	406
— — — Presidency administration	80	— — — Cavalry	261
— — — — area ..	79	— — — Empire Leprosy Relief Association	583
— — — — Banks ..	671, 676	— — — Forces in India ..	261
— — — — collectorates ..	80	— — — Guiana and Fiji	995, 996
— — — — colleges ..	83	— — — India Steam Navigation Co	547
— — — — Courts of Justice	80	— — — Indian Peoples' Association	407
— — — — District Police	81	— — — Union	1000
— — — — education ..	81	— — — Infantry	261
— — — — Finance ..	83	— — — Medical Assocn (Bombay)	407
— — — — fisheries ..	645	— — — officers in Native States	167
— — — — Governors ..	86	— — — Policy in Persia	231
— — — — hospitals ..	83	— — — Trade Commissioner Service in	
— — — — industries	79	— — — — India	736
— — — — Irrigation	81	— — — Troops	275
— — — — Judicial Department	446		

	PAGE		PAGE
Clearing accounts office, railway . . .	689	Commerce Chambers Maharashtra . . .	730
—houses, bankers' . . .	683	— — —Northern India . . .	732
Climate, North-West Frontier . . .	152	— — —Punjab . . .	733
—of India.. . .	280	— — —S India . . .	732
Clive, Lord . . .	41	— — —United Provinces . . .	734
— — —Policy of . . .	41	— — —Upper India . . .	733
Clubs . . .	418	Commercial Intelligence Department . . .	735
Coal . . .	710, 925	Commission, Agricultural . . .	285, 286
—Industry . . .	710	—Calcutta University . . .	356
—prices . . .	711	—Currency, of 1925-26 . . .	888
—production (table) . . .	710	—Education . . .	353
Cocaine importation . . .	760	—Factory Labour (1907) . . .	486
—penalties . . .	760	—Famine . . .	330
—smuggling . . .	760	—Finance and Currency . . .	882
—use of . . .	760	—Herschell . . .	882
Cocanaga Chamber of Commerce . . .	735	—Hilton Young (Sir Edward) . . .	994
Cochin grants sex equality . . .	597	—(Royal) on Indian Reforms . . .	49
—Harbour Scheme . . .	90	—Industrial (Indian) . . .	542
—State . . .	186	—Jail . . .	459
Code, Indian Penal . . .	452	—Labour (Royal) . . .	472
Codes, famine . . .	330	—Law . . .	982
Coffee . . .	758	—Lindsay . . .	357
Comage, weights and measures . . .	35	—Linhthgow . . .	285, 286
— — —Committee of Inquiry . . .	36	—Opium . . .	762
— — —Government action . . .	36	—Ormsby Gore . . .	993
— — —Proposed reforms . . .	35	—Police . . .	454
Coins, bronze . . .	881	—Simon (Sir John) . . .	49
—copper . . .	881	—University . . .	353, 356
—nickel . . .	881	—Whitley (Labour) . . .	472
—silver . . .	881	Commissioners Bengal Presidency . . .	101
Collectors, Bengal Presidency . . .	101	—Bombay Presidency . . .	80
—Bombay Presidency . . .	80	—British Trade Service in India . . .	736
—Madras Presidency . . .	89	—Burma . . .	130
—United Provinces . . .	111	—Central Provinces . . .	143
Colleges . . .	364, 369	—Punjab . . .	122
Colombo Races . . .	1009	—United Provinces . . .	111
Colombo, railway to . . .	699	Committee, Acworth (Railway) . . .	690
Commander in Chief of the Army . . .	257	—Banking Inquiry . . .	387, 397
Commerce and Industry Department . . .	68	—Bonus Dispute Enquiry . . .	536
—Chambers of . . .	722	—Central Banking, Indian . . .	387, 397
— — —Associated, Indian . . .	722	—Central Cotton, Indian . . .	737
— — —Associated of India and Ceylon . . .	727	—Chamberlain . . .	883
— — —Bengal . . .	723	—Co-operative . . .	396
— — —Bombay . . .	726	—Cotton Contracts . . .	740
— — —Burma . . .	734	—Cotton, Indian . . .	737
— — —Cocanada . . .	735	—Currency . . .	888
— — —Federation of Indian . . .	722	—East African . . .	993
— — —Indian (Calcutta) . . .	724	—Emigrants Friendly Service . . .	996
— — —Indian Merchants . . .	728	—Exchange, Indian (of 1919) . . .	884
— — —International . . .	725	—Excise . . .	876
— — —Karachi . . .	731	—Fawcett . . .	536
— — —Madras . . .	731	—Federal Finance . . .	856
		—Finance (Railway) . . .	691

	PAGE		PAGE
Central Postal Directory	426	Chank Fisheries	612
— — — — — Direction	133	Charter Act, new	43
— — — — — Finance	113	Chelmsford's Frontier Policy	233
— — — — — Imports	115	— — — — — Reform Scheme	51
— — — — — Industries	112	Chemical	924
— — — — — Irrigation	14	Chemical Society, Indian	108
— — — — — Judicial Dept.	150	Chemical Society, Calcutta ..	107
— — — — — Land Revenue	116	Chhota Udaipur	191
— — — — — Languages	112	Chief Punjab Association	1000
— — — — — Legislative Council	119	— — — — — Railways in India	697
— — — — — Local Boards	111	Chiefs' Colleges	369
— — — — — Local Self Government Act	114	Child Welfare Centres	585
— — — — — Medical Services	145	— — — — — Movement	585
— — — — — Municipalities	143	Children, Employment of	189
— — — — — Officials	118	— — — — — (Pledging of Labour) Act	461
— — — — — Police	114	Children's Aid Society	407
— — — — — Public Works	111	Chilian Consuls	250
— — — — — Revenue	116	China Opium Agreement	761
— — — — — Soil	142	Chinese Consul	250
— — — — — Universities	145	— — — — — in Tibet	241
— — — — — Vaidya-Panchayat Act	141	Chitral	185
— — — — — Public's Bureau (Railway)	692	— — — — — campaign	47
— — — — — Railway	248	Chittagong Port	350
Ceylon and India General Mission	116	Christian education, effects of	423
— — — — — Railway	699	— — — — — Holidays	1257
Chamba State	200	— — — — — Home Mission, Boys	436
Chamber, Indian Merchants'	728	— — — — — and Missionary Alliance Mission	431
— — — — — Prince's	207	— — — — — Missions, indirect effects of	422
Chamberlain Committee	883	— — — — — students	423
Chambers of Commerce	722	Christianity	972
— — — — — Associated (of India and Ceylon)	727	Christians in India	422
— — — — — Associated Indian	722	Church and Education	421
— — — — — Bengal	723	— — — — — Anglican Missionary Societies	423
— — — — — Bombay	726	— — — — — Diocesan Council	421
— — — — — Burma	731	— — — — — Ecclesiastical Establishment	421
— — — — — Cocanada	735	— — — — — Government	421
— — — — — Federation of Indian	722	— — — — — of England	421
— — — — — Indian	721	— — — — — of Ireland Presbyterian Mission	431
— — — — — Indian Merchants'	728	— — — — — of Nazarene Mission	435
— — — — — International (Calcutta)	725	— — — — — of Scotland	429
— — — — — Karachi	731	— — — — — of the Brethren Mission	431
— — — — — London	722	— — — — — Reunion	423
— — — — — Madras	731	— — — — — Roman Catholic	428
— — — — — Maharashtra ..	730	— — — — — Society for the Propagation of the Gospel	423
— — — — — Northern India	732	— — — — — Sweden Mission	438
— — — — — Punjab ..	733	— — — — — Syrian	422
— — — — — Southern India	732	— — — — — United Free ..	430
— — — — — United Provinces	734	Churches, Scottish	429
— — — — — Upper India	733	City and Hall Lines	547
Chandernagore	215	Cities, population of	975
Chandragupta, Emperor ..	37	Civil Aviation	548
		— — — — — Disobedience Movement	939
		— — — — — Suits	452

	PAGE		PAGE
Cotton cultivation of	283	Criminals transported	450
—East India Association	740	Crops	282
—exports of	927	Cross, Red	586
—Ginning and Pressing Factories Act	739	—Victoria	635
—Indian	283	Crown of India, Order of	623
—Industry 494, 513, 741		—transfer to the	45
—Manufactures, progress of 742, 915, 926, 927		Cruciferous oilseeds	284
—Piece-goods	916	Cuba, Consul for	250
—Research	739	Cultivation, methods of	281
—Studentships	730	—cotton	283
—Statistics 742, 745		—jute	284
—Technological Laboratory	739	—linseed	284
—Textile Industry	741	—millets	282
—Industry (Amendment) Act	461	—oilseeds	283
—(Second Amendment) Act	464	—pulses	282
—Transport Act	739	—rice	282
—Twist and Yarn 742, 916		—sesamum	284
Council, Assam	150	—sugarcane	283
—Bengal Presidency	107	—tobacco	284
—Bihar and Orissa	130	—wheat	282
—Bombay Presidency	87	Cultivator, Govt and the	875
—Burma	134	Currency	882
—Central Provinces and Berar	140	—Act	881
—Elected members 73, 77		—and the War	884
—Imperial Legislatures	71	—Chamberlain Committee	883
—India	164	—Closing of Mints	882
—Madras Presidency	97	—Commission of 1925-26	888
—Military	258	—Committee of 1910	884
—Mysore	171	—Exchange Committee	884
—nominated members 76, 78		—Failure of Government policy	887
—North-West Frontier	155	—Fowler Committee	882
—of State	77	—Gold Bullion Standard	801
—Punjab	127	—Gold Exchange Standard	802
—United Provinces	117	—Gold Standard Reserve	802
Council's Act, Indian	47	—Herschell Committee	882
Courts, High	443	—History of	882
—of Justice, Bengal Presidency	101	—Note issue	803
—Bihar and Orissa	136	—Paper, reserve	802
—Bombay Presidency	80	—Rate of Exchange	884
—Burma	130	—Ratio	892, 894
—Central Provinces	143	—Reserve Bank	896
—Madras Presidency	93	—Reserves	895
—Magistrates'	413	—Rise in Exchange	884
—Punjab	122	—Scheme for Gold	801
—Session	443	—Silver Standard	882
—Small Causes	443	—Sterling Remittances	883
—United Provinces	112	—System	882
Cricket	1017	—two shilling rupee	886
Criminal Investigation Department	453	—weights and measures	35
—Law (Amendment) Act	47	Curzon, Lord	47
—Procedure Code	442	—Police Commission	453
—Tribes	459		

	PAGE		PAGE
Committee Fowler	882	Convict employment ..	458
—Hartog (on Education)	357	Cooch-Behar State	195
—Herschel	882	Co operative Movement	377
—Incheape	858	—Audit and supervision	334
—Industrial Disputes	536	—Banking Enquiry Committee, Pro-	
—Tails	158	vincial	381
—Khilafat	953	—Banking Unions	380
—Labour (Royal)	172	—Central Banking Committee, Indian	387, 397
—Law	982	— — — — — Financing Banks	381
—Lattion	999	— — — — — Committee	395
—Machagan Co operation	396	— — — — — Consolidation of Holdings	390
—M H Enquiry	536	— — — — — Genesis of Movement	378
—New Capital Enquiry	561	— — — — — Growth of	379
—Parliamentary, Joint	962	— — — — — Land Mortgage Banks	387
—Pope	692	— — — — — Machagan Committee	396
—Primary Education	361	— — — — — Non Credit Agricultural Co operation	389
—Punjab Inquiry Committee (Educa-		— — — — — Overdue Loans	386
tion)	357	— — — — — People's Banks	394
—Rates (Railway) Advisory	692	— — — — — Producers Movement	395
—Retrenchment	858	— — — — — Propaganda, Education and Training	388
—Riots Inquiry	471	— — — — — Provincial Co operative Banks	383
—Southborough	993	— — — — — Rural Poverty	377
—Southborough Franchise	596	— — — — — Reconstruction	392
—Stock Exchange (Bombay)	720	— — — — — Societies Act	378
—Strike Enquiry, Bombay	536	— — — — — Agricultural Credit	380
—Weights and Measures	36	— — — — — Anti-Malarial	393
Commonwealth Electoral Act ..	997	— — — — — Better Living	392
Communal Award	956	— — — — — Communal	394
Communications, Assam ..	156	— — — — — Educational	393
—Baroda	172	— — — — — Housing	395
—Burma	129	— — — — — Irrigation	391
—Hyderabad	168	— — — — — Life Insurance	394
—Kashmir	207	— — — — — Marketing	390
—Rajputana Agency	173	— — — — — Milk	391
Communists	471	— — — — — Millhands	393
Company, East India	40	— — — — — Non Credit, in Urban areas	394
— — — — — Administration transferred	45	— — — — — Thrift	394
— — — — — first formed	40	— — — — — Urban credit	393
Conciliation and Arbitration of industrial		— — — — — Statistics	398, 404
disputes	536	Coorg ..	161
Conference, Indian Railway	689	Copper	719
—International Labour	541	— — — — — coinage	881
Congregational Mission	433	Copyright	466
—Societies	433	Cornwallis, Lord ..	42
Congress, Indian Science	569	Coroners	443
—National	937	Cost of Army	274
— — — — — Trade Union	471, 530	Costa Rican Consul	250
Constants, tidal	34	Costumes, Women's	15
Constitution of India Office	163, 164	Cotton	283
Consulates (Foreign) in Bombay, Calcutta		Cotton Association, East India	740
and Simla ..	628	— — — — — Central Committee	737
Consuls, Foreign in India	250	— — — — — Cess Act	739
Consumptives' Home Society	413	— — — — — Committee, Indian	737
Contracts, Railway	687	— — — — — Contracts Committee	740
Contributions, famine ..	331		

	PAGE		PAGE
Dongarpur State ..	174	Education Girl Guide Movement	364
Dravidians, history of ..	37	—girls' schools ..	368
Dress, Indian	15	—Hartog Committee	357
Drugs and Medicines	924	—History of	352
—excise system	877	—Hyderabad	169
Dufferin, Lord	46	—Indian, in South Africa	988
Dupleix	41	—Indian Military Academy, Dehra Dun ..	369
Durbar at Delhi ..	48	—Indigenous	369
Dyeing and Tinning substances ..	924	—Intermediate Colleges	364
		—Inter-University Board ..	368
		—in the Army ..	369
		—Lindsay Commission	357
		—Madras Pres ..	90
Early marriages ..	978	—Medical Inspection	364
East African Committee	993	—Military Academy, Dehra Dun	369
—Indian Association	1000	—Mysore ..	171
— — — Company ..	40	—North-West Frontier Province	153
— — — Cotton Association ..	740	—Primary	361
— — — Indian Railway ..	697	—Prince of Wales' Military College	369
— — — Indies Squadron ..	276	—Professional ..	364
— — — Eastern Bengal Railway	697	—Punjab ..	122
— — — States Agency	196	—Punjab University Enquiry Committee	357
Ecclesiastical Dept., Assam	425	—Rural	362
— — — Bengal Pres	424	—Secondary and High School	362
— — — Bihar and Orissa ..	425	—Students (Indian) in Foreign Coun-tries	369
— — — Bombay Pres	425	—technical ..	364
— — — Burma ..	425	—United Provinces	113
— — — Central Provs ..	426	—Universities ..	365
— — — Madras Pres ..	426	—Universities Commission ..	353, 356
— — — N-W Frontier	426	—Universities, Statistics 354, 355, 358, 359, 360, 361, 362, 363, 365, 368, 370,—	374
— — — Punjab	427	—University Training Corps ..	268
— — — United Provinces	427	—Western Learning, Introduction of	352
— — — Establishments	421	—Women	368
Ecuador, Consul for	251	Educational enquiries, recent	353
Education	352	—progress	353
—Advisers for Indian Students	999	—Service, Army	369
—Army	369	— — — Indian	357
—Baroda ..	172	— — — Provincial	357
—Bengal Pres ..	103	— — — Subordinate	358
—Bihar and Orissa	137	—work, Baptist ..	430
—Bombay Pres ..	81	Electorate ..	53
—Boy Scout Movement	363, 375	Electrification of Railways	692
—Burma ..	131	Elgin, Lord ..	16
—Calcutta University Commission	356	Ellenborough, Lord ..	43
—Central Provs and Berar ..	144	Ellerman ("City" & "Hall") Line ..	547
—Chief Colleges	369	Emigrants Friendly Service Committee	996
— — — — —	352	Emigration ..	982
— — — — —	369	—Act ..	982
— — — — —	353, 356	—Fiji and British Guiana	995, 996
— — — — —	67, 356	—statistics (table) ..	981
— — — — —	353	Emperors of India, <i>see</i> Rulers.	
— — — — —	358, 374		
— — — — —	363		

	PAGE		PAGE
Carzon's (Lord) Frontier Policy	47, 217	Department, Geological Survey	68, 370
Customs	15, 771	—Health ..	67
—Manners and ..	15	—Home ..	67
—Revenue ..	878	—Imperial Council of Agricultural	
—tariff ..	772	Research	286
Cutch State ..	187, 190	—Indian Stores	923
Cyclonic storms ..	317	—Judicial	445
Czechoslovak Republic, Consul for	251	—Lands	67
		—Legislative ..	68
D		—Military Finance	67
Dacca University ..	367	—Political	67
Dairying ..	285	—Post Office ..	68
Dalhousie, Lord ..	44	—Public Health ..	67
Daman Settlement ..	213	—Publicity	67
Damodar River Project	313	—Railway Board ..	68
Dangerous Drugs (Amendment) Act	165	—Revenue, Central Board	67
Danish Missionary Society ..	459	—Survey ..	68
Darjeeling	557	—Telegraph	68
Datta State	183	Depressed Classes	956
Death and birth rates ..	578	Designs and Inventions ..	766
—of Habibullah Khan	217, 240	Development of Burma ..	129
—rate in mines ..	711	—Central Provinces ..	142
Deccan States Agency	193	—Hydro-Electric ..	334
—Bhor ..	194	—N -W Frontier Prov. ..	142
—Janyira	193	Dhar State	182
—Kolhapur	193	Dharampur	192
—Mudhol	194	Dholpur State ..	177
—Sangli	194	Dhrangadhra State ..	188
—Sawantwadi	194	Dir State	185
Declaratory Act, 1780 ..	442	Disciple Societies	437
Deities, Hindu	16	Distinguished Service Medal, Indian	624
Delhi, art decoration	560	Distribution of population ..	977
—cost of building ..	561	District and Local Boards	339
—Durbar ..	48, 500	—Boards, Punjab ..	122
—expenditure on	561	—United Provinces	112
—Mutiny at	44	—Judges	443
—Progress of work ..	562	—Magistrates, Bengal Pres	101
—site of new capital ..	561	—Monopoly Excise System	876
—Town Planning Report ..	561	—Officers, Bihar and Orissa ..	136
—University ..	367, 563	—Police, Bombay Pres ..	81
—War Memorial (All-India) at	563	Districts, N -W Frontier Provinces	154
Denmark, Consul for ..	251	Diu, Island of	213
Department, Archaeological	69	Domestic servants	546
—Army ..	67	—Ordinance No 28 of 1871	546
—Botanical ..	68	—No 17 of 1914	546
—Commerce	68	—Penalties imposed on ..	546
—Commercial Intelligence and Statistics	735	Dominica, Consul for	251
—Criminal Investigation	453	Dominion, beginnings of British	40
—Ecclesiastical	424	—French	41
—Education	67		
—Finance	67		
—Foreign	67		

	PAGE		PAGE
Finance Department	67	Foreign Dept	67
—Expenditure for 1932-33	861	—possessions in India	209
—Federal	856	— — — — — Chandernagore	215
—Hyderabad	108	— — — — — Daman	213
—Inchcape Committee	858	— — — — — Diu	213
—Income Tax	860	— — — — — Goa	209
—Kashmir	206	— — — — — Karikal	215
—Military Expenditure	867	— — — — — Marmugao, Port of	212
—Matches, Excise on	856	— — — — — Pondicherry	215
—Mysore	170	— — — — — postage rates	572
—New Taxation proposals	859	Forest (Amendment) Act, Indian	461
—Post & Telegraph	870	Forests, Administration	648
—Provincial Contributions	855	— — — — — Arca	647
—Public Debt	871	— — — — — Burma	129
—Railway	858	— — — — — Distribution of State	647
—Retrenchment	858	— — — — — Financial Results	650
—Revenue and Expenditure	858, 864, 873	— — — — — Government Policy	648
—Silver Duty	860	— — — — — Indian	617
—Solvency, need for	863	— — — — — Industries	649
—Succession duty	857	— — — — — Policy	618
—Supplementary Budget	862	— — — — — products	649
—Taxation	859	— — — — — research	619
—Terminal Tax	857	— — — — — service	648
—Tobacco, Taxation of	857	— — — — — state	648
—Ways and Means	861	— — — — — statistics	651
Fines and short sentences	459	— — — — — Types of	647
Finland, Consul for	251	Fort St. George, Presidency of	80
Fish-curing	642	— — — — — Presidents of	95
Fisheries	641	— — — — — William, Governors of	106
—Bengal and Bihar and Orissa	644	Fowler Committee	882
—Bengal, Department of	644	France, Consul for	251
—Bombay	645	Franchise	63
—Burma	646	Free Church of Finland Mission	434
—Madras	641	Freemasonry	584
— — — — — Department of	641	Free Methodist Mission of N. America	440
—Marine Aquarium	643	— — — — — supply system, Excise	876
—Pearl and chank	642	French claims on Maskat	224
—Punjab	646	— — — — — Consul	251
—Rural Pisciculture	643	— — — — — dominion, beginnings of	40, 41
—Sind	645	— — — — — possessions in India	214
—Travancore	646	— — — — — railway interests in Syria	248
—Welfare work among fisherfolk	643	— — — — — struggle with the	41
Fishing in Baluchistan	160	— — — — — treaty with Maskat	224
Flotilla Company, Irrawaddy	129	— — — — — Wars	41, 255
Food grains and flour	928	Friends' Service Council	437
Football in India	1021	Frontiers of India	216
Force, Indian Auxiliary	267	— — — — — Afghanistan	239
Foreign Consulates in Bombay	638	— — — — — Afghan War	240
— — — — — in Calcutta	639	— — — — — Amanullah Khan's Reforms	242
— — — — — Consuls in India	250	— — — — — Anglo-Persian Agreement	231
		— — — — — Anglo-Russian Agreement	218, 222, 231
		— — — — — Baghdad Railway, significance of	219

	PAGE		PAGE
Empire, Ctdr of Indian	611	Exports silk	753
—Portuguese	40	—tea	756, 928
Employment of Children	489	—textile	742
Employment of Convicts	458	—tobacco	759
Empress of India proclaimed	45	—wool	751
Engineer Services, Army	262		
Engineers, Institution of	410		
English Dominion, beginning of	40		
—Education in India	353	Factories	486
Episcopal (American) Methodist Mission	439	—Bombay	79
Establishment of Territorial Force	268	—(Indian) Act	486
Europe, routes to India from	547	—Madras	90
European and Native Magistrates	442	—tobacco	759
—Association	407	—United Provinces	111
—British Subjects	442	Factory Acts	486
—Settlements	40	—Labour Commission (1907)	486
—War and India	48	Fa-hien, Chinese traveller	31
Evangelical National Missionary Society		Family Names	18
of Stockholm	438	Famine, Bihar, 1873 4	329
Everest, Mount	559	—codes	330
Exchange Banks	678	—commissions	330
—Bills of	678	—History of	329
—Business(table)	678	—Insurance Grant	331
—Committee, Indian	884	—Madras, 1866	329
—deposits (table)	678	—of 1899-1900	329
—history of	678	—Orissa, 1865-7	329
—investments	679	—protection	331
—use in	884	—India, 1876-8	329
—Stock	680	—Trust, Indian	332, 333
Excise	876	—under native rule	329
—Committee, Indian	876	—Western India, 1868 70	329
—Contract Distillery System	876	Fashions, Indian	15
—district monopoly system	876	Faridkot State	201
—Free supply system	876	Fawcett Committee	536
—Out-still system	876	Federal Finance	856
—Right of Vend	876	Federation, National Liberal	948
Expedition, Abor	246	—of Indian Chambers of Commerce	722
—Tibet	244	—of Indian University women	417
Expenditure on Delhi	561	Female education	368
—education	358	Fighting Races	270
—Indian	866, 873	Fiji and British Guiana	995, 996
—irrigation	310	Finance	855
—marine	276	—Act, Indian	461
—on new capital	561	—and Currency, Royal Commission on	888
—railway	693	—Agricultural incomes, taxation of	857
—capital	693	—Army Expenditure	865
—revenue and	873	—Baroda	172
Exports	925	—Budget, 1933-34	867
—Agricultural	283	—Budget, 1934 35	867
—Coffee	758	—Civil Expenditure	866
—Cotton	926, 927	—Service	896
—Indigo	754	—Commercial Stamps	856
—principal	925	—Corporation Tax	856
		—Debt	871

	PAGE		PAGE
Government Madras	95	Hemp	750
— of India	51	Henderson Line	517
— personnel and procedure . .	64	Hephzibah Faith Missionary Association	135
— powers of Provincial Legislative Councils	60	Herschell Committee	382
— provincial administration . .	60	Hersha, Emperor	98
— provision of funds	62	Hides, skins and leather	765, 929
— Punjab	126	— workers in	765
— reforms of 1919	51	High Commissioner for India . .	161
— revenue	873, 874	— Court Act, Indian	143
— Stores	933	— Courts	443
— transfer of control	61	— Schools	362
— United Provinces	116	Hill Missions, Kurku and Central India	436
— Viceroys of India	70	— Stations	557
— Voters' qualifications	53	Hilton Young (Sir Edward) Commission	694
Governor-General's Council . . .	60	Himalayan Club	560
— of Fort William	69	Himalayas, climbing in the . . .	558
— of India	69	Hindu deities	16
— Secretarial staff	67	— Holidays	1257
Governors, Assam	158	— Mohamedan riots	48
— Bengal	106	— University	366
— Bihar and Orissa	130	Hinduism	972
— Bombay	86	History of India	37
— Burma	133	— Afghan Wars	13, 16, 211, 256
— Central Provinces	118	— Alexander's invasion	37
— Madras	96	— Andhras	38
— Punjab	126	— Baroda	171
— United Provinces	116	— Burmese Wars	46
Grain Merchants' Assocn	730	— Chelmsford's (Lord) Viceroyalty	48
Graphite	718	— Olive's administration	41
Great Indian Peninsula Railway	698	— Coinage	880
Greek Consul	251	— Currency and Exchange	882
Guiana British and Fiji	995, 996	— Curzon's Viceroyalty	47
Gujarat States Agency	101	— Education	353
Gupta Dynasty	38	— of Famine	329
Gwallior	180	— French Wars	41
		— Frontier campaigns	46
		— Gupta dynasty	38
		— Hastings, Warren	11
		— Hindu-Mahomedan riots	48
		— Kashmir	206
		— Mahomedan invasion	39
		— Maratha Wars	42
		— Massacre at Cawnpore	44
		— Montagu-Chelmsford Reform . .	48
		— Mughal Empire	39
		— Mutiny, sepoy	44
		— Mysore	169
		— Wars	42
		— Nepalese War	42
		— Non-Co operation movement . .	49, 937
		— Origins of Indian	37
		— Pindaris	24
Habibullah, Amir	227, 240		
Hall Line	547		
Hardinge (Lady) Medical College and Hospital	591		
Hardinge, Lord	48		
Hardware	923		
Hartog Committee on Education	357		
Hastings, Marquis of (Lord Moira)	43		
— Warren	41		
Health of Army	275, 581		
Heavy Chemical Industry (Protection) Act	913		
Hebrew-Christian Mission	438		

	PAGE		PAGE
Frontier, Bahrain	221	Girls' schools	368
—Bahrain, its future	225	Great Kamgar Union	470
—Bolshet's Penetration	211	Glass and Glassware	895, 764
—Campaigns	46	—Bibliography	765
—Chelmsford policy	233	—Manufacture in India	764
—Curzon (Lord) policy	47, 217, 233	—Causes of failure	764
—French Claim on Maslat	224	Glossary, Indian	2
—Gates to India	239	Gon	209
—German Menace	219	Gold, absorption of	768
—Habibullah Khan assassinated	227, 210	—Bullion, Standard	801
—Iraq	225	—Coinage	881
—Koweit	224	—Exchange Standard	882
—Maslat	224	—Law	991
—Mesopotamia, (Map of)	226	—production of	718
—Middle East, (Map of)	228	—Standard Reserve	882, 891
—of Mulla	207	Golf in India	1022
—Muhammedali	225	Gondal State	188
—North Eastern	215	Gough, Lord	44
—North-West	230	Government and Banking	671
—(Map of)	230	—and cultivator	875
—Persia	231	—and district boards	339
—Persian Gulf	222	—appointments	66
—(Map of)	223	—Assam	158
—Shore	229	—Baluchistan	160
—Pirate Coast	224	—Bengal	105
—Policies	217	—Bihar and Orissa	139
—Problems	232	—Bombay	85
—Russia	218	—Burma	133
—Russo-Afghan Treaty	241	—business procedure	64
—Selistan	229	—Central election	63
—Treaty with Iraq	227	—Central Government	62
—Tibet	243	—franchise	63
—Tribes	246	—Powers	63
—Turkey	220	—Provinces and Berar	148
—Waziristan	235	—Changes made in	60
—(Map of)	234	—control of railways	687
		—deposits (tables)	674-676
		—with Banks	674-676
		—division of functions	65
		—electorates	53
		—European Settlement	40
		—Executive and Legislature	61
		—Finance	52, 855
		—Forest Policy	648
		—Franchise	63
		—functions of	65
		—Governors-General	69
		—Home	163
		—India Office	64, 164
		—Irrigation Works	309
		—local self	331
		—machinery of	68
Gandhara monuments	30		
Ganges Canal	44		
Ganpati	16		
Goals	458		
Garhwals	270		
Gates to India	239		
Gauges, railway	689		
Gem stones	719		
Geological Dept	68, 570		
German Consul	251		
—Menace	219		
—railways in Turkey	248		
Germany, India and war with	48		
—and Indian frontiers	219		
Girl Guides	364		

	PAGE		PAGE
India East Company formed	40	Indian Calendars .. .	1258
—Empress of, proclaimed	45	—Cavalry .. .	204
—England Telephone Service	653	—Central Banking Comy ittee	387, 397
—European war and .. .	48	—Cotton Committee .. .	737
—Fisheries of .. .	641	—Chamber of Commerce, Calcutta	724
—Foreign possessions in .. .	209	— — — — in London .. .	722
—Freemasonry in .. .	564	—Chambers of Commerce, Federation of	722
—Gates to	230	—Chemical Society .. .	408
—Government of	66	—Christian Mission	435
—Governors-General and Viceroy's of	70	—Clubs, Principal	418
—History of .. .	37	—Coinage	880
—House .. .	998	—Commission (Royal) on Reforms	49
—Insanity in	587	—Conciliation Group .. .	1001
—Insurance in	769	—Constitutional Reforms, White Paper on	980
—League	1000	—Copyright Act .. .	466
—Lazarettos and Asylums in .. .	588	—Cotton Cess Act .. .	739
—Meteorological Department	318	—Councils Act .. .	47
—Mission of the Evangelical Lutheran Church in America	438	—Currency Act, 1927	881
—Office .. .	64, 164	—Committee	884
—office appointments	164	— — — — system .. .	882
—Peoples of .. .	969	—Deputation to East Africa .. .	994
—Population of .. .	166, 973	— — — — to South Africa .. .	988
—Prices in	910, 931	—Distinguished Service Medal .. .	624
—railways to	248	—Dockyards	279
—Religions of .. .	972	—Domiciled Overseas .. .	981
—Routes (Sea) from Europe to .. .	547	—Dress	15
—Salutes in	602	—Ecclesiastical Establishments	421, 424
—Society .. .	1000	—Education .. .	352
—Soil of .. .	280	—Educational Service .. .	357
—Sunday School Unions of .. .	409	—emigration	982
—Survey of .. .	568	—Empire, Order of the	611
—Trade of	909	— — — — People	166
— — — — exports	911, 925	— — — — Population .. .	166
— — — — imports of	910, 914	— — — — Society .. .	1001
— — — — (tables)	910, 914, 915, 916, 917, 918, 919, 922, 923, 925, 926, 927, 928, 929, 30	—Exchange Committee	884
—Viceroy's of .. .	70	—Excise Committee .. .	876
—Who's who in .. .	1031	—Factories Act .. .	486
Indian Agriculture	280	—Famine Trust .. .	333
—Agricultural Commission	285	—Finance	855
—Arbitration (Amendment) Act	461	—Finance Act	461, 855
—Architecture .. .	23	—Fisheries .. .	641
—Army, <i>see</i> Army	255	—Forces, Regular (British)	261
—Art .. .	19	—Foreign Trade .. .	909
—Association for Cultivation of Science .. .	408	—Forest (Amendment) Act,	461
—Auxiliary Force	268	— — — — Engineering Service	648
—Banking .. .	671	—Forests	647
—Bar, Creation of .. .	444	—Freemasonry .. .	564
—Broadcasting Company	653	—Frontier Problem	216, 232
—Budget .. .	864, 965	—Frontiers	216
—Bureau of Information	999	—Geological Survey .. .	68, 570
		—Glass Manufacture .. .	764
		—Glossary	21
		—Gymkhanas Club .. .	100

	PAGE		PAGE
History Plassey, battle of	41	Hyderabad revenue	168
—Rajputs	38	—taxation	168
—Reading's (Lord) Viceroyalty	48	Hydro-Electric Development ..	334
—Royal Indian Marine . . .	276	—Bombay Schemes	334
—Sikh Wars	43	—Kashmir Works	336
—Social reform	43	—Madras Schemes	91
—Treaty of Sagauli	42	—Mysore Development	336, 171
—Visit of King and Queen	48	—Progress recent	336
—Wellesley's (Lord) Policy	42	—Projects	336
Hockey	1020	—Pykara Scheme	91, 337
Holdings, nature of agricultural	875	—Sutlej Project	337
—peasant	875	Hydrographic Survey of India	334
—private improvements on . .	875		
—Ryotwari	875	I	
—Zemindari	875	Idar State	191
Holidays, Indian Public	1257	Immigration	993
Home Department	67	Imperial Airways	549, 932
—Government	163	—Bank of India	671
— —Appointments	164	—Bank of India Act	671, 967
— —High Commissionership ..	164	—Council of Agricultural Research	286
— —History of	163	—finance	855
— —India Council	164	—Legislatures	71
— —Secretary of State	163	—Order of the Crown of India .	623
Hospitals, Bihar and Orissa . .	137	—Service formed	45
—Bombay Presidency	83	—silk specialists	752
—Burma	131	Import duties	771
—Central Provinces	145	Imports	910, 914
—Punjab	123	—Bengal Presidency	99
—United Provinces	113	—principal	925
Hotels in India	556	Improvement Trusts	340, 343
Housing, Industrial	501	—Calcutta	343
Humayun, King	39	Inchcape Committee	858
Hungarian Consul	252	Incidence of Revenue	874
Hutti, Nizam's gold mine at	714	Income and Wages (table)	684
Hydaspes, Battle of	37	—tax	860, 879
Hyderabad	168	Income tax (Amendment) Act, Indian	462
—administration	169	— —(Second Amendment) Act, Indian.	463
—agriculture	168	Index Number of Prices	931
—Army	168	India Air routes to	932
—Communications	168	—and Ceylon	699
—Contingent	168	—Area of	160
—education	169	—Army in	255
—Finance	168	—Associated Chamber of Commerce of	722
—Industry	168	—Banking in	671
—Council	169	—Christian Mission	435
—minerals	168	—Church in	421
—railway	168	—Climate of	280
		—Clubs in	418
		—Consuls in	250
		—Council	164
		—Council's Act	47
		—Currency Act	681
		—Defence League	1000

	PAGE		PAGE
Indian High Court	443	Indian Police .. .	453
— — — Courts Act	443	— Ports .. .	346
— Hotels	556	— Press .. .	654
— Holidays	1257	— Press Act (1910) .. .	655
— in Great Britain	998	— Press Law . . .	655
— Income tax	879	— Prices . . .	931
— Income Tax (Amendment) Act	462	— Prisons Act . . .	458
— — — (Second Amendment) Act	463	— Public Holidays . . .	1257
— Industrial Commission	542	— Racing . . .	1003
— Infantry	264	— Railways (Amendment) Act	464
— Institute of Political and Social Science	408	— Railways .. .	685
— Institution of Engineers	410	— — Gauges	689
— Insurance . . .	769	— — (Statistics) 693, 694, 695, 696, 700	708
— Inventions and Designs	766	— Red Cross Society .. .	586
— Irrigation	309	— Religions	972
— Jails ..	458	— Roads and Transport Development Association	409
— Labour	469	— Rotary Clubs . . .	420
— — Commission	472	— Salutes . . .	602
— Law, Europeans and	442	— Science Congress	569
— League of Nations Union	408	— Sculpture	19
— Legislation, 1933	461	— Signal Corps	265
— Legislature . . .	964	— Social life	978
— Manners and Customs	15	— Society of Oriental Art (Calcutta)	409
— Marine (Amendment) Act	461	— Soil . . .	280
— — Royal	276	— Sport	934
— Mathematical Society	409	— Stamp Duties . . .	934
— Medical Council Act . . .	465	— State Forces	268
— Merchandise Marks Act	771	— States .. .	166
— Merchant Shipping (Amendment) Act	462	— States annexation through lapse ..	167
— Merchant Shipping (Second Amendment) Act	465	— — Area of .. .	166
— Merchants' Chamber of Commerce.	728	— — British Officers in . . .	167
— Meritorious Service Medal ..	624	— — education of ruling Chiefs ..	167
— Meteorological Department	318	— — extent of .. .	166
— Military Academy	269	— — jurisdiction	166
— Military College ..	369	— — obligations . . .	166
— Mines and Minerals	709	— — policy towards	167
— Mines Act . . .	490	— — political officers	167
— Mints . . .	880, 881	— — population . . .	166
— Missionary Society of Tinnevely ..	435	— — railways . . .	698
— Municipalities ..	339	— — relations with . . .	166
— Mutiny .. .	44, 256	— — rights of .. .	166
— Names .. .	17	— — supervision of	167
— National Airways	549, 933	— — tribute .. .	208
— National Congress . . .	937	— — under Assam ..	198
— Navy, Royal	276	— — — Bengal Presidency	195
— Newspapers .. .	657	— — — Burma . . .	204
— Officers, Army ..	269	— — — Madras Presidency	185
— Order of Merit . . .	624	— — — Punjab ..	200
— Orders .. .	607	— — — United Provinces	198
— Paintings	20	— Stores Department .. .	933
— Patents and Designs Act . . .	766	— Students in Foreign Countries . .	369
— People's Famine Trust . . .	332	— — in Great Britain . . .	999
— Peoples, occupations of ..	480, 980	— — Union and Hostel . . .	1000

	PAGE		PAGE
Kangra Valley	557	L	
Kapurthala State	201	Labour	469
Karachi Chamber of Commerce	731	—Absenteeism and Turnover	484
—Port Trust	349	—Accident Prevention	495
Karauli State . . .	177	—Agriculture	512
Karenni .. .	205	—All India Associations	530
Karikal .. .	215	— —and Burma Covenanted	
Kashmir (Jammu) administration	206	Non-Gazetted Railway Servants'	
—Agriculture	206	Services	530
—area	206	— —Railwaymen's Federation	530
—army	206	— —Trade Union Congress	530
—Hill Station	557	—Assam Labour and Immigration	
—history .. .	206	Act	482
—hydro scheme	336	—Bombay Cotton Mill Industry	494, 513
—Industries	206	— —Labour Office	543
—minerals .. .	206	— —Strike Enquiry Committee	536
—population .	206	— —Bonus	536
—revenue	206	— —Bonus Dispute Enquiry Committee	536
—roads	207	—Commission (Royal) on	472
—schools .	207	—Communist Menace .. .	471
—State .. .	206	—Conciliation and Arbitration .	536
Kathiawar .. .	187	—Contract	492
Kenya Colony ..	992	—cost of living	524
—Government despatch	992	—Cotton Industry	513
— —East African Committee	993	—Education	511
— —Franchise .	993	—Employment of Children	489
— —Hilton-Young Commission ..	994	— —Women	489
— —Immigration .	993	—Factory Labour Commission (1907)	486
— —Indian Deputation to East Africa	994	—Factories	486
— —Ormsby-Gore Commission	993	—Girni Kamgar Union	470
— —Southborough Committee .	993	—Government Administration	542
Kerosene	715	—Growth of Problem	469
Kharsawan .. .	196	—Health	504
Khasi Chiefship .. .	198	—Hours of work	486
Khassadars . . .	235	—Indebtedness	519
Khilafat Committee ..	953	—Indian Factories Act . . .	486
King and Queen, visit of (1911) .	48	— —Housing	501
King's Commission ..	269	— —Industrial Commission	542
Kings of India, see Rulers.		— —Industrial Disputes	535
Kishangarh State .. .	176	— —Industrial Workers	477
Kitchener Army Scheme	257	— —Mines Act	490
Kodaikanal . . .	557	— —Safety and Inspection	494
Kolhapur . . .	193	—International Labour Conferences	541
—Races .. .	1010	— —Convention	541
Kotah State	178	—Industry	494
Koweit	224	—Maternity Benefits	507
—railway scheme	224	— —Benefit Act, Bombay .	508
Kurku and Central India Hill Mission ..	436	—Medical Facilities for workers	506
Kurundwad State	195	—Mines	496, 543
		—Migration	479
		—National Union of Railwaymen of	
		India and Burma	530

	PAGE		PAGE
Interest Table	327	Jails Transportation	459
Intermediate Colleges	364	—Variation of jail population .	460
International Chamber of Commerce	725	Jain Holidays .	1257
—Labour Conventions	541	Jains .	972
Inter-University Board	368	Jairpur State .	175
Inventions and Designs .	766	Jaisalmer State	175
Iraq	225	Jalwar (Jhalawar) State .	178
Ireland Mission, Presbyterian Church of	432	Jamkhandi State	194
Iron and Steel Imports	921, 968	Jammu (Kashmir) .	206
—Ore production	711	Janjira State .	193
—Tata, and Steel Co	712	Jaora State . .	183
Irrigation .	309	Japanese Consul .	252
—Acreage under	313	Jath State ..	193
—Area under	311	Jawhar .	191
—Bengal Pres	102	Jewish Holidays	1257
—Bibliography	314	Jews .	972
—Bombay Pres	81	Jhalawar State .	178
—Burma	131	Jind State	201
—Capital and Revenue	310	Jodhpur State .	174
—Cauvery Reservoir Project	313	Joint Parliamentary Committee	962
—Central Provinces	144	—Stock Banks ..	680
—Classes of .	309	Judges, District . .	443
—Damodar Canal	313	Judicial Dept, Assam .	448
—Government works ..	309	—Bengal Pres .	445
—Growth of .	310	—Bihar and Orissa	448
—Madras	91	—Bombay Pres	446
—New Works ..	313	—Burma .	449
—Non-Capital Works	312	—Central Provs . .	450
—Productive Works .. .	312	—Madras . .	447
—projects	313	—Department N W Frontier Prov	450
—Punjab .	121	—Punjab .	450
—Sukkur Barrage	313	—United Provs ..	451
—Sutlej Valley Project ..	313	Junagadh State ..	189
—Tanks ..	314	Jurisdiction in Native States .	167
—United Provinces ..	112	Justice, administration of . .	442
—Unproductive Works ..	312	—Law and ..	442
—Water Charges .	310	Jute ..	284, 746
—wells .	314	—Crops, 1932 .	749
Irwin, Lord	49	—Cultivation of	284
Italian Consul .. .	252	—history of industry .	746
		—looms	747
		—manufactures . .	747, 750, 928
		—Mills Association	749
		—working agreements .	749
		—trade and the war ..	750
		Juvenile prisoners .. .	459
Jails	458		
—Andamans	459		
—Commission of Inquiry, 1919	459		
—Committee .	458		
—Criminal Tribes . .	459		
—Fines and short sentences .	459		
—Indeterminate sentences ..	459		
—Juvenile prisoners	459		
—Prisons Act	458	Kaisar-i-Hind medal	625
—Prisoners, employment of	458	Kalat . .	172
—Reformatory Schools	459	Kamet, Mount	559
—Statistics	460	Kangchenjunga	559

	PAGE		PAGE
Labour Office, Bombay	548	Languages, Punjab	121
—Occupation of the People	480	—United Provs.	110
—Overtime	489	Lansdowne, Lord	46
—Plantations	518	Las Bela	172
—Railway Associations	530	Latvia, Consul for	252
—Railways	510, 520	Lausanne Treaty of	227
—Recreation	510	Law and Justice	442
—Recruitment of	481	—appointments	445
—Reforms in Bombay Cotton Mills	483	—Bar organisation	444
—Riots Enquiry Committee	471	—Codification	442
—Seamen	491	—Commission	982
—Strike Enquiry Committee	586	—European British subjects	442
—Tea Districts Emigrant Labour Act	456, 483	—High Courts	443
—Trade Disputes Legislation	536	—Indigenous	442
— — — — Union Congress	471	—legal practitioners	444
— — — — Legislation	533	—legislative power	444
— — — — Unions	527	—lower courts	443
— — — — Act	533	—officers	444
—Unemployment	492	—reports	444
—Wages	512	—statistics	452
— — — — Deduction from	523	—statute law revision	442
—Welfare work	508	Lawa State	176
—Whitley Commission	472	Lawn tennis	1019
—Workers and Peasants Party	470	Lawrence, Lord	45
—Workmen's Compensation	476, 497	Laws of 1933	461
— — — — Compensation Act	497	Lead	718
— — — — Compensation (Amendment)	497	League, Moslem	950
Ladies' Missions	436	League of Nations	467
Lady Hardinge Medical College	591	— — — — of Nations Union, Indian	408
—Minto Nursing Service	594	Leather, hides and skins	765
Lahore Conspiracy Case	48	Legal Practitioners	444
—Races	1611	Legislative Assembly	73
Land Acquisition (Amendment) Act	463	— — — — Council, Assam	159
—Alienation Act, Punjab	875	— — — — Bengal	107
—Mortgage Banks	387	— — — — Bihar and Orissa	139
—Oudh Tenancy Act	875	— — — — Bombay	87
—Protection of Tenants	875	— — — — Burma	134
—Revenue, incidence of	874	— — — — Central Provinces	149
— — — — policy	874	— — — — Madras	97
— — — — system	874	— — — — North West Frontier Province	155
—Settlement Officer	874	— — — — Punjab	127
—settlement, permanent	874	— — — — United Provinces	117
— — — — temporary	874	— — — — Dept	68
—Survey and Recrds of Rights	875	Legislature, Indian, Proceedings	964
— — — — literature on	875	Legislatures	964
— — — — tenure	874	Legislatures (Imperial), Powers of	71
— — — — Bihar and Orissa	136	Leipzig Evangelical Lutheran Mission	438
— — — — United Provinces	111	Leper Mission	435
Landlords, policy towards	875	Leprosy in India	582
Languages, Bengal Pres	99	—Relief Association, British Empire	583
—Bombay Presidency	79	Letter postage rates	571
—Central Provs.	142	Levy Corps	267
—Madras Pres	89	Lhasa expedition	244
—N, W F Province	152		

	PAGE		PAGE
Mahableshwar	557	Marine Royal Indian dockyards	279
Maharashtra Chamber of Commerce	730	— — — — expenditure	276
Mahomedan Holidays	1257	— — — — history	276
— Kingdoms	39	— — — — personnel	278
— Soldiers	270	— — — — war service	276
— University	367	Marks, Merchandise	771
Mahomedanism	972	— Trade	766
Mahratta Wars	42	Marriage	978
Mahrattas	270	Maskat	224
Mahsuds	235	Massacre of Cawnpore	44
Malaria Survey	570	Matches, Excise on	656
Maler Kotla State	202	Mathematical Society (Benares)	405
Malwand, Battle of	46	— — — Indian	409
Mammal Survey	567	Matheran	557
Mandi State	202	Mayo, Lord	45
Manganese Industry	713	Measures and Weights	35
— Ore Production	713	Medal, Indian Distinguished Service	624
Manipur	198	— — — Meritorious	624
Manners and Customs	15	— — — Order of Merit	624
— Buddhists	17	— — — of British India	624
— Caste marks	16	— Kaiser-i-Hind	625
— Domestic life	17	Mediæval dynasties	36
— Dress	15	Medical Council Act, Indian	465
— Fashion Variations	15	— Research Workers	570
— Images	17	Meerut, Mutiny at	44
— Jains	17	— Races	1017
— Women's Costumes	15	Mennonite Mission	436
— Worship	17	Mental Hospitals	588
Manufactures, Assam	156	Merchandise, Imports of	914
— Bengal Presidency	99	— — — Marks Act	771
— Bihar and Orissa	135	Merchant Shipping (Amendment) Act, Indian	462
— Bombay Presidency	79	Merchant Shipping (Second Amendment) Act, Indian	465
— Burma	130	Merchants' Chamber, Indian	728
— Central Provinces	142	Meritorious Service Medal, Indian	624
— Glass	764	Merwara, Ajmer	161
— Madras Presidency	89	Mesopotamia, Map of	226
— Punjab	121	Messageries Maritimes Line	547
— United Provinces	110	Metals	27, 921
Manures	281	Metal working	27
Maps, Baghdad Railway	249	— workers	27
— Mesopotamia	226	Metcalf, Sir Charles	43
— of the Middle East	228	Meteorological Department, India	318
— North-West Frontiers	230	— Organisation	319
— Persian Gulf	223	— Observations	320
— Survey (topographical)	568	Meteorology	315
— Waziristan	234	— Monsoon of 1933	327
Marathas, <i>see</i> Mahrattas		— Monsoons	315
Marine (Amendment) Act, Indian	461	— Rainfall, total	317
— Aquarium, Madras	643	— Spring months	315
— Royal Indian	276	— Statistics	323-326
— — — — appointments	278		

PAGE

PAGE

Mutiny, Indian at Barrackpore	256	Natural History Society, Bombay	406
— — — — — at Delhi	44	— — — — — productions, Assam	156
— — — — — Meerut	256	— — — — — Bengal Presidency	99
— — — — — political causes of	44	— — — — — Bihar and Orissa	135
— — — — — racial causes of	256	— — — — — Bombay	79
— — — — — religious causes of	256	— — — — — Burma	129
— — — — — Sepoy	44	— — — — — Central Provinces	142
— — — — — Siege of Delhi	44	— — — — — Madras Presidency	89
— — — — — Vellore	255	— — — — — Punjab	120
Mysore	169	— — — — — United Provinces	110
— — — — — Administration	169	Nawanagar State	189
— — — — — agriculture	170	Navy, contribution to (table)	276
— — — — — area	169	— — — — — East Indies Squadron	276
— — — — — army	170	Nepal	247
— — — — — education	171	— — — — — War	43
— — — — — history	169	Netherland's Consul	252
— — — — — Hydro-Electric Scheme	171, 336	New Capital	560
— — — — — Industries	170	— — — — — Enquiry Committee	560
— — — — — population	169	— — — — — Zealand Presbyterian Mission	432
— — — — — Races	1014	Newspapers in India	656
— — — — — revenues	170	— — — — — Act, 1910	655
— — — — — schools	171	— — — — — Incitements to Offences Act	655
— — — — — University	171, 366	— — — — — Indian	656
— — — — — wars	42	Nicaragua, Consul for	252
IN		Nickel coinage	881
Nabha State	202	Nicobar Islands	161
Nagpur University	367	Nila-Mula Scheme	335
Naini Tal	557	Nizam's Gold Mine, Hutti	714
Names, Indian	17	Non Co-operation Movement	937
Nandgaon State	200	Northbrook, Lord	45
Nanga Parbat	558	— — — — — Society	1001
Napier, Sir Charles	44	North-Eastern Frontier	245
Narendra Mandal	207	North India Chamber of Commerce	732
Natal Borough Ordinance	988	North-West Frontier	232
— — — — — Line	547	— — — — — Province	151
— — — — — Township Franchise Ordinance	988	— — — — — agriculture	153
National Airways, Indian	549, 933	— — — — — area	151
— — — — — Association for supplying Medi-		— — — — — development	151
— — — — — cal Aid by women	590	— — — — — Ecclesiastical Department	426
— — — — — Congress, Indian	937	— — — — — flora and fauna	152
— — — — — Defence, Expenditure on	272	— — — — — formed	46
— — — — — Horse Breeding and Show Society	410	— — — — — Irrigation	153
— — — — — Indian Association	410, 1001	— — — — — Judicial Dept	450
— — — — — Liberal Federation	948	— — — — — Legislative Council	155
— — — — — Missionary Society of India	435	— — — — — map of	230
— — — — — Union of Railwaymen of India and	530	— — — — — municipalities	154
Native magistrates and Europeans	442	— — — — — officials	154
— — — — — Piece-goods Association	730	— — — — — police	154
— — — — — private bankers	682	— — — — — population	152
— — — — — Share and Stock Brokers' Asso-	720	— — — — — races	152
— — — — — ciation		— — — — — rainfall	152
		— — — — — states	185
		— — — — — trade	153

	PAGE		PAGE
Population Central India Agency	180	Press Association of India	656
—Provinces	142	—censorship	654
—cities	975	—in India	654
—India	166	—law, Indian	655
—Indian States	166	—Newspaper (Incitement to Offences)	655
—Jail	460	—Act	655
—Madras Presidency	89	—Owners' Association	411
—Movement of	970	—Repeal of Acts	655
—Mysore	169	—Statistics	656
—N.W. Frontier Province	152	—Vernacular	655
—Principal cities	975	Prevention of Seditious Meetings Act	47
—Punjab	120	Prices, Index	931
—Rajputana Agency	173	—in India	910, 931
—United Provinces	110	Primary schools	361
Porbandar	190	—Committee	361
Port of Bombay	347	Prince of Wales' Military College	369
—Calcutta	46	Princes and Reforms	946
—Chittagong	350	—Chamber of	207
—Karachi	349	—Conferences held	207
—Madras	349	—Functions described	207
—Mormuzao	212	Principal Clubs in India	418
—Rangoon	350	Printing Presses	656
Ports, Indian	346	Prisoners' employment	458
Portuguese Consuls	253	Prisoners, juvenile	459
—Empire	40	Prisons Act of 1894	458
—foreign possessions in India	209	Private bankers and shroffs, Indian	682
Post Office and Telegraph	571	Procedure of Government business	64
—circles	571	Proclamation of Empress of India	45
—Dept.	68	Produce, agricultural	306
—growth of	573	Production of coal (table)	710
—Insurance Fund	770	—gold	715
—tariff	571	—iron ore	712
Postage rates, foreign	572	—Manganese	713
—letter	572	—minerals (tables)	709
—parcel	571	—petroleum	716
	592	—salt	719
	432	—tea	755
	432	—woven goods (tables)	744
	432	—varn	743
	432	Professional names	18
	432	Professions	18
	671	Project Andhra Valley	335
	671	—Vizagapatam Harbour	91, 351
	330	Projects, Irrigation	313
	59	—from Famine	330
	79	Protection of Children Society	413
	59	Provinces, United	110
	454	Provincial Co-operative Banks	383
	590	—Councils, working of	60
	95	—Criminal Law Supplementary Act	462
	655	Proving of Wills	74
	655	Provisions	923

	PAGE		PAGE
Peninsular & Oriental S N Co	547	Photographic Socy of India (Calcutta)	410
—Railway, Great Indian ..	698	Piece-goods Assocn, Bombay Native	730
People Bengal . . .	99	Pigsticking . . .	1028
—Bihar and Orissa . . .	135	Pillars, Monumental .. .	22
—Bombay Presidency . . .	79	Pindaris . . .	43
—Burma .. .	129	Pirate Coast	224
—Central Provinces . . .	142	Plantations	518
—N -W. F	152	Plassey, Battle of . . .	41
—Punjab . . .	120	Poland, Consul for	253
—United Provinces . . .	110	Police .. .	453
Peoples of India	969	—administration	453
—Census . . .	973, 974	—Armed . . .	453
—Christians	972	—Baluchistan	160
—Cities .. .	975	—Bengal Presidency . . .	102
—Economic Condition . . .	978	—Bihar and Orissa	136
—Education . . .	978	—Bombay Presidency	81
—infirmities . . .	980	—Burma . . .	131
—languages	979	—Cadre	449
—literacy	978	—Central Provinces	4
—marriage . . .	978	—Commission	456
—migration	479, 970	—Criminal Investigation Department	453
—occupations	480, 980	—distribution of	454
—population	975	—History of	453
—religions	972	—inspectors	454
—sex . . .	977	—Madras Presidency	93
—social life . . .	978	—N -W Frontier Province	154
—statistics	970, 971, 972, 973, 974 975, 976, 977 978, 979, 980	—offences . . .	457
—town and villages . . .	970	—organisation	453
—widows	978	—Prosecutors	453
Permanent Settlement Act	874	—Punjab	122
Persia . . .	231	—statistics	455, 456, 457
—Agreement with . . .	231	—training school	454
—and present position . . .	231	—United Provinces	112
—British policy in	231	Policy, New Frontier	232
Persian Consuls . . .	253	—towards Indian States	167
—Gulf	222	Political Department	67
— — — and France	222	—Officers	167
— — — and Germany	222	Polo in India	1023
— — — and Russia . . .	222	Pondicherry .. .	215
— — — and Turkey	222	Poona and Indian Village Mission	434
— — — map of	223	—races	1015
— — — (Pirate Coast)	224	—Seva Sadan Society	410
— — — railway lines . . .	248	Pope Committee	692
— — — shore	229	Population, Aden	156
Personnel of Government ..	64	—Assam . . .	156
Peruvian Consuls	253	—Baluchistan	160
Petroleum, output of	715	— — — Agency	172
—production of ..	715	—Baroda	171
Phaltan	195	—Bengal Presidency . . .	99
Philatelic Socy of India	410	—Bihar and Orissa .. .	135
		—Bombay Presidency	79
		—Burma	129
		—censuses of	973

	PAGE		PAGE
Railway, German in Turkey ..	248	Rampur State	198
—Government control ..	687	Rangoon Literary Society ..	411
—Great Indian Peninsula ..	698	—Port Trust	350
—history of Indian ..	685	Ranjit Singh ..	43
—Hyderabad ..	168, 698	Rate, Bank	682
—Indian States ..	698	Rates Advisory Committee (Railway)	690
—to India ..	248	—and taxes, municipal ..	739
—Imports ..	693	—Birth and Death ..	578
—Indian Conference ..	689	Rebate Railway contract system ..	685
—Indianisation ..	696	Recreation Club Institute ..	411
—Indo-Burma ..	690	Red Cross Society ..	586
—Koweit Scheme ..	224	Reform Act, 1919 ..	51
—Local Advisory Committees ..	696	—of weights and measures ..	35
—Madras and S M ..	698	—social ..	43
—management ..	689	—Viceroy's Emergency Powers ..	71
—metre gauge ..	690	Reformatory schools ..	159
—mleage ..	702	Reforms (Indian) Commission ..	49
—Mysore ..	693	Regions beyond Missionary Union ..	435
—Native States ..	698	Regulations, Passport ..	636
—North-Western ..	698	Religion, native students and ..	423
—Open mleage ..	694, 702—708	Religions of India ..	972
—Oudh and Rohilkhand ..	698	Remittances, Sterling ..	883
—Persian Gulf lines ..	248	Remount Department, Army ..	266
—surveys ..	222	Repeal of Pre-1919 Legislation ..	653
—Pope Committee ..	692	Reports, Law ..	444
—profits commence ..	686	Research Fund Association, Indian ..	569
—Publicity ..	692	—Studentships, Cotton ..	739
—Rates Advisory Committee ..	692	Reserve Bank ..	676, 896
—rebate system contracts ..	685	—Forest ..	618
—Reorganisation problems ..	691	—Gold Standard ..	882, 891
—revenue ..	693, 694	—Indian Army ..	270
—Russian to Lake Urumia ..	248	—Paper Currency ..	892
—Tehran ..	248	Reserves, Currency ..	892, 894, 895
—scheme, Cairo to Koweit ..	248	Retrenchment Committee ..	858
—South Indian ..	698	Revenue, Assam ..	157
—Staff ..	695	—Baroda ..	172
—State versus Company Management ..	690	—Bengal ..	103
—Statistics ..	699	—Bihar and Orissa ..	137
—tonnage ..	693	—Bombay Presidency ..	84
—Trade Review ..	693	—Burma ..	132
—Trans-Persian ..	248	—Central Board of ..	67
—Turkish guarantee ..	248	—Provinces ..	146
—two feet six inch gauge ..	690	—Department ..	67
—Wages ..	520	—Forest ..	650
Railways ..	685	—Government ..	873
—(Amendment) Act, Indian ..	464	—Hyderabad ..	168
Rainfall ..	317, 325, 326	—incidence of Land ..	874
Raisina, New Capital ..	560	—irrigation ..	310
Rajpipla State ..	192	—Kashmir ..	206
Rajputana, Lawa State of ..	176	—Land ..	874
—agency ..	173	—Madras Presidency ..	93
Rajputs ..	38	—Mysore ..	170
Ramabai Mukti Mission ..	437	—Post Office ..	576
Ramdrug State ..	193		

	PAGE		PAGE
Public Holidays in India	1257	Q	
—Prosecutors	453		
—Services	961	Quetta Races	1017
Publicity Department	67	R	
Pudukottai	186		
Pulse, cultivation of	282	Races, the fighting	270
Punchvets	338	Racing in India	1003
Punjab administration	121	Radhanpur State	190
—agriculture	121	Radio telegrams	575
—annexed	44	—Telephone Service, India-England	653
—area	120	Railway Accidents	696
—canal system	121	—Accounts	689
—castes	120	—Acworth Committee	690
—Chamber of Commerce	733	—Adam's Bridge	699
—climate	120	—Anatolian Co	248
—Colleges	122	—Assam	156, 697
—Commissioners	122	—Assam-Bengal	136, 697
—Council	127	—Associations	530
—Courts of Justice	122	—Baghdad	219
—District Boards	122	—Map of	249
—Ecclesiastical Department	427	—Baroda	172, 697
—Education Department	122	—Bengal and N -W	697
—Enquiry Committee, Education	357	—Bengal-Nagpur	697
—Finance	123	—Board	68, 687
—fisheries	646	—Board, Government Control and Organisation	687
—forests	121	—Bombay, Baroda & Central India	697
—Governors	126	—broad-gauge	689
—Industries	121	—Budget	690, 965
—Irrigation	121	—Burma	697
—Judicial Department	450	—and India	699
—Land Alienation Act	875	—capital expenditure	693
—languages	121	—Central Advisory Committee	696
—Legislative Council	127	—Asian	248
—Lieut -Governors	126	—Chief Railways of India	691
—Medical Dept	122	—clearing accounts office	689
—minerals	121	—Collieries	695
—Municipalities	122	—Conference	689
—officials	126	—connections with Ceylon	699
—police	122	—contracts	687
—population	120	—Control	687
—provincial police	122	—Earnings	694
—rainfall	120	—Eastern Bengal	697
—religions	120	—East Indian	697
—revenue	123	—Electrification	692
—schools	122	—expenditure	693
—states under	120, 200	—Exports	693
—textiles	121	—Famine and Frontiers	685
—trade	121	—fatalities and injuries	696, 858
—University	366	—Finances	694
Pykhara Hydro-Electr. Scheme	91	—Finances, Separation of	690
		—Financial Results of Working	694
		—gauges	689

	PAGE		PAGE
Scientific Surveys	567	Siege of Delhi	256
— Botanical	568	Signal Corps, Army	265
— Geological	570	Sikh wars	45, 256
— Malaria	570	Sikhs, origin of	270
— Mammal	567	Sikkim State	184
— Research Fund Association, Indian	509	Silk	752, 920
— Science Congress, Indian	569	Silver	718, 869
— Survey of India	568	— coinage	881
— Topographical Survey Maps	568	— coins	881
— Zoological	567	— Duty	860
Scotland, Established Church of	429	— standard	882
— United Free Church of	430	Simla	557
Scouts, Boy	363, 375	Simon (Sir John) Commission	49
Seyth-Dravidian people	969	Sind, fisheries	645
Sea Routes between India and Europe	547	Sirguja	197
Secondary schools	362	Sirmur (Nahan) State	204
Secretariat Depts Governor-Generals'	67	Sirohi State	175
Secretary of State for India	163	Skins, hides and leather	765, 929
Secunderabad Races	1016	Small-cause Courts	443
Sedition in Bengal	42	Smuggling of Cocaine	760
Seamen	491	Smuts Gandhi Agreement	987
Sea Routes between India and Europe	517	Social reforms	43
Season (Persia)	229	— societies	405
Self-Government, Local	338	Societies, Agricultural	380
Sentences, indeterminate	459	— and Institutions in London connected with India	1000
— short	459	— Anglican Missionary	423
Separation of Railway Finances	690	— Baptist	430
Sepoy mutiny	44, 256	— Congregational	433
Sericulture	968	— Disciple	437
Servants, Domestic	546	— Housing Co-operative	395
— of India Society	412	— Ladies	436
Service, Lady Minto Nursing	594	— Literary, Scientific and Social	405
Services, Indian Forest (Engineering)	648	— Lutheran	438
— Indian Police	453	— Methodist	439
Sesamum, cultivation of	284	— Non-Credit Agricultural Co-operation	389
Sessions, Courts of	443	— Presbyterian	432
Settlement Officers' duties	874	— for the Propagation of the Gospel	423
Settlements, Dutch	40	— for the Protection of Children	413
— European	40	— Red Cross, Indian	586
Seya Sadan	413	— of St John the Evangelist	424
Seventh Day Adventists Mission	436	Society for the Protection of Children in Western India	413
Sex	977	— for Promoting the Study of Religion	1001
Shahjahan	40	Soul, Agricultural	280
Shahpura chiefship	177	— Bengal Pres	99
Shan States	204	— Bombay Pres	79
Share and Stock Brokers' Association	720	— Central Prov	142
Shawl weaving	28	— India	280
Shroffs, banking by	682	— Madras Pres	89
Siamese Consuls	253	— Punjab	120

	PAGE		PAGE
Revenue Punjab	123	Rulers of India, Mahomedan	39
—railways	694	— — —Mediæval dynasties	39
—salt	878	— — —Mongolian kings	39
—System, Land	874	— — —Mughal dynasty	39
—tables of	873	— — —Shahjahan	39
—telegraph	576	— — —Southern dynasties	38
—United Provinces	114	Rural Education	362
Rewa State	182	—reconstruction	392
Rice, cultivation of	282	Russia and Tibet	244
Rifle Shooting	1029	Russian railway to Lake Urumia)	248
Right of Vend, Excise	876	Russo-Afghan Treaty	241
—of Indian States	166	Rutlam State	183
Riots Enquiry Committee, Bombay	471	Ryotwari holdings	874
Ripon, Lord	46		
Rise in exchange	884		
Rising in Bengal	41		
Roads and Transport Development		S	
Association (Indian)	409	Sabar Kautha Agency	187
Roberts, Lord	46	Suchin	192
Roman Catholic Churches	428	Safeguarding of Industries Act	462
Rotary Clubs in India	420	St John Ambulance Assocn	587
Roumania, Consul for	253	Salt	719, 877
Round Table Conference	955	—Additional Import Duty (Extending)	
—Communal award	956	Act	461
—Congress participation in	956	—revenue	878
—Minorities	956	Salutes, table of	602
—White Paper	960	Salvador, Consul for	253
—Federal Legislatures	961	Salvation Army in India	440
—Provinces	961	Sandur	187
—Public Services	961	Sangli State	194
—Reserved Subjects	960	Sanitation	577
Route (Air) to India	932	—Birth and death rates	578
Routes (Sea) to India from Europe	547	—chief diseases	579
Royal Asiatic Society	1001	—child welfare movement	585
—(Bombay)	406	—health of the army	581
—Central Asian Society	1001	—history of	577
—Commission on Agriculture	285	—leprosy in India	582
—Indian Reforms	49	—Lunatic Asylums	588
—Indian Marine	276	—mortality	579
—on Labour	472	Sant State	192
—Empire Society	1001	Saracenic Architecture	31
—Institute of International affairs	1001	Savantwadi State	194
—Society of Art	411, 1001	Savanur	193
Rugby	1022	Scandinavian Alliance Mission	434
Rulers of India, Akbar	39	Scheme, Kashmir Hydro	336
—Asoka	37	—Mysore Hydro-electric	336
—Aurangzeb	40	—Nila-Mula	335
—Babur	39	School of Oriental Studies	639
—Chandragupta	37	Schools of Art	21, 22
—India, Gupta Dynasty	38	Schools, see Education and Colleges	
—Harsha	38	Science Congress, Indian	59
—Humayu	39		

	PAGE		PAGE
States, Indian, Idar	101	States Indian, Policy forwards	167
— Indore	180	— Political Officers	167
— Jaipur	175	— Porbandar	190
— Jaisalmer	175	— Pudukottai	186
— Jamkhandi	191	— Punjab	200
— Jammu	206	— Radhanpur	190
— Janjira	193	— Raigarh	196
— Jaora	183	— Rajpipla	192
— Jashpur	200	— Rajputana Agency	173
— Jath	191, 193	— Ramdurg	193
— Jhalawar	178	— Rampur	195
— Jind	201	— Rewa	182
— Jodhpur	174	— relations with	166
— Junagadh	140	— rights of	166
— Kalat (Baluchistan Agency)	172	— Rutlam	181
— Kanhar	200	— Sabar Kantha Agency	187
— Kapurthala	201	— Sachin	192
— Karauli	177	— Sandur	187
— Karenji District	201	— Sangli	194
— Kashmir	206	— Sant	192
— Kathiawar	187	— Savantvadi	194
— Khairagarh	197	— Sivanur	193
— Kharsawan	196	— Shahpura	177
— Khasi	193	— Shan	204
— Kishanganj	176	— Sikkim	181
— Kolhapur	191	— Sirguja	197
— Kotah	178	— Sirmur (Nahan)	204
— Kurundwad	195	— Sirohi	175
— Las Bela (Baluchistan Agency)	172	— Suket	200
— Lawa	176	— Surguja	197
— Lunavada	192	— Swat	185
— Madras Presidency	185	— Tehri	199
— Maler Kotla	202	— Tonk	176
— Mandi	202	— Travancore	185
— Manipur	198	— Tripura	196
— Miraj	195	— Udaipur	173
— Mudhol	194	— Vijaynagar	191
— Mysore	169	— Wadi Estate	194
— Nabha	202	— Western India	187
— Nandgaon	200	— under Assam Govt	198
— Navanagar	189	— Bengal Govt	195
— North-West Frontier	185	— Burma Govt	204
— Obligations of	166	— Central India Agency Govt	179
— Orchha	183	— Madras Govt	185
— Palanpur	179	— North-West Frontier	185
— Partabgarh	174	— Punjab	200
— Patiala	203	— United Provinces Govt	198
— Phaltan	195	— Railways	698
		— Tribute	208
		Station, Khapoli Power	335
		Stations, Wireless Telegraph	576

	PAGE		PAGE
Soil, United Provinces . . .	110	States, Indian, Banas Kantha Agency	187
South Africa, Indians in . .	988	— — — — — Banganapalee . . .	187
— — — — — Indian Famine, 1876-8 .	329	— — — — — Bansda	192
— — — — — Railway	698	— — — — — Banswara	174
Southborough Committee . .	993	— — — — — Baria	192
Southern dynasties	39	— — — — — Bariya	192
— — — — — India Chamber of Commerce	732	— — — — — Baroda	171
Spanish Consuls	254	— — — — — Bastar	197
Sports in India	1002	— — — — — Benares	199
— — — — — athletics	1025	— — — — — Bengal Presidency	195
— — — — — boxing	1023	— — — — — Bharatpur	177
— — — — — cricket	1017	— — — — — Bhavnagar	188
— — — — — football	1021	— — — — — Bhopal	182
— — — — — golf	1022	— — — — — Bhor	194
— — — — — hockey	1020	— — — — — Bhutan	184
— — — — — Pigsticking	1028	— — — — — Bikaner	178
— — — — — polo	1023	— — — — — Bilaspur	200
— — — — — racing	1003	— — — — — Bundi	176
— — — — — Rifle Shooting	1029	— — — — — Cambay	192
— — — — — Rugby	1022	— — — — — Central India Agency	179
— — — — — Swimming	1030	— — — — — Chamba	200
— — — — — tennis	1019	— — — — — Chhota Udaipur	192
— — — — — Water Polo	1023	— — — — — Chitral	185
— — — — — Wrestling	1028	— — — — — Cochin	186
— — — — — Yachting	1030	— — — — — Cooch Behar	195
Squadron, East Indies . . .	276	— — — — — Cutch	187, 190
Staff, Governor-General's . .	66	— — — — — Datia	183
— — — — — Governor's, Bengal Pres	106	— — — — — Deccan States Agency	193
— — — — — Bombay Pres	85	— — — — — Dhar	182
— — — — — Madras Pres	95	— — — — — Dharampur	192
— — — — — Railway	695	— — — — — Dholpur	177
Stamp Duties, Indian	934	— — — — — Dhrangadhra	188
Standard Tours	554	— — — — — Dir	185
Star of India	607	— — — — — Dongarpur	174
State, Council of	77	— — — — — Eastern States Agency..	196
— — — — — Forces, Indian Army	268	— — — — — Faridkot	201
— — — — — forest distribution	647	— — — — — Gondal	188
— — — — — irrigation works	309	— — — — — Gujarat States Agency	191
— — — — — versus Company Management (Rail-		— — — — — — — — — — — Balasinor	191
ways)	690	— — — — — — — — — — — Bansda	191
States, Indian	166	— — — — — — — — — — — Baria	192
— — — — — Akalkot	193	— — — — — — — — — — — Cambay	192
— — — — — Alwar	179	— — — — — — — — — — — Chhota Udepur	192
— — — — — Amb	185	— — — — — — — — — — — Dharampur	192
— — — — — Aundh	193	— — — — — — — — — — — Jawhar	192
— — — — — Bahawalpur	200	— — — — — — — — — — — Lunawada	192
— — — — — Balasinor	192	— — — — — — — — — — — Rajpipla . .	192
— — — — — Baluchistan Agency . . .	172	— — — — — — — — — — — Sachin	192
		— — — — — — — — — — — Sant . . .	192
		— — — — — — — — — — — Gwalior . . .	180
		— — — — — — — — — — — Hyderabad	168

	PAGE		PAGE
Swimming ..	1030	Tibet	243
Swiss Consul .	254	—British intervention in ..	243, 244
Syrian Church	422	—Chinese in .	244
		—expedition to .	244
		—political importance of ..	245
		—Russia and ..	244
		Tibetan Mission .	435
Table, Interest ..	337	Tidal Constants .	31
—of wages .	684	Time, Indian .	33
Tamil Evangelical Lutheran Church	438	<i>Times of India</i> .	654
Tank Corps, Royal .	265	Tirah Campaign ..	47
Tanks .	314	Tobacco, Bihar and Orissa	135
Tanned Hides, exports of	765	—Cultivation of ..	254
Tanning .	765	—Excise on ..	856
—materials	924	—Indian .	759
Tariff (Amendment) Act, Indian	463	Tonk State .	176
—Board	968	Tonnage, railway .	693
—Customs ..	771	Topea	30
—(Ottawa Trade Agreement) Supple-		Topographical Survey Maps	568
mentary Act, Indian	462	Tours, Standard .	554
—(Second Amendment) Act, Indian	466	Towns and country .	970
Tatir Air Mail	932	—Presidency .	339
—Hydro-Electric Power Supply Co	334	Trade .	909
—Iron and Steel Works	712	—Balance of .	911
Tax, Income .	860, 879	—Bank rate ..	682
Taxation, incidence of ..	874	—Commissioner (British) Service in India	736
Tax	755	—Disputes Legislation .	539
—Control Act, Indian	464	—exports of the year .	911, 924
—District Emigrant Labour Act	483	—French India ..	214
—Exports .	756, 928	—Imports of the year .	911, 924
Technical education ..	364	—Marks ..	766
Technological (Cotton) Laboratory	739	—N-W Frontier Province	151
Tehri State ..	199	—Opium ..	761
Tiligamouth, Lord (Sir John Shore)	42	—Punjab ..	121
Telegram Rates .	574	—Union Congress .	471, 530
Telegraph Department	574	—Legislation ..	533
—and Post Office .	571	—Unions .	527
—tariff .	574	—Act .	533
Telegraphy, Wireless .	652	Train service, Indian ..	548
Telegraph Mission, American Baptist	431	Trained Nurses' Association ..	594
Telephone Service, Wireless, India-		Training Institutions, Army	269
England	653	—school, police ..	454
—statistics	576	Trans-Continental Airways, Indian	932
Telephony ..	652	Trans-Persian Railway ..	248
Temperature .	323, 324	Transported criminals .	459
Tenants, laws, in India	1019	Transvaal Asiatic Land Tenure Act	991
Territorial Force (Indian)	268	Travancore ..	185
Territory export trade	742	—Fisheries	646
—Industry .	741	Travel in India ..	551
—Progress .	745	Treaty of Basle ..	42
—Punjab	121	—of Lausanne .	227
—United Provinces	111	—Russo-Afghan .	241
—Yarn	743	—of Sagauli ..	43
Textiles	27	Tribes, Frontier .	246
Flannels and Thermals	453	Tribute, Indian States	208
Theft Statistics .	457	Tripura State .	196

PAGE

PAGE

Statistics, Agricultural ..	259-308	Steamship Co, Marittima Italiana ..	547
—bank 674, 675, 676, 678, 679, 680, 682, 683		—Me engeries Maritimes. .	547
—Birth and death rate ..	578	—Natal Line . ..	547
—Bombay Port Trust ..	748	—Co, Orient Line	547
—Boy Scouts .	375, 376	—P & O .	547
—Co-operation .	398-404	Steel Industry ..	712
—cotton industry 741, 742, 743, 744, 745		Sterling Remittances	883
—discolty .	457	Stock Exchanges . .	720
—death and birth rates .	778	—Bombay .	720
—education 354, 355, 358, 359, 360, 361,		—Calcutta .	721
362, 363, 365, 368, 370		—Committee of Inquiry (Bombay)	721
371, 372, 373, 374		—Madras	721
—Famine Trust, Income and Expendi-		Stones, Gem .	719
ture ..	372	Stores Department, Indian .	933
—forest .	650, 651	Storms .	317
—Indians, Overseas .	951	Strength of the Army ..	275
—irrigation ..	311, 312, 313	Strict Baptist Mission	431
—Jail .	460	Strike Inquiry Committee, Bombay	536
—Judicial .	452	Strikes, Industrial .	536
—Jute 747, 748, 749		—Textile Mill, Bombay .	536
—Labour . 477, 478, 480, 484, 490, 491,		Structural Temples	31
494, 499, 500, 505, 510, 511,		Student Christian Movement of Great	
514, 515, 516, 517, 518, 521,		Britain .	1001
522, 525, 526, 527		Students' Bureau of Information	999
—Local Govt .	341, 342	—In Great Britain, Indian	998
—Lunacy .	585, 589	Sub district boards	339
—Meteorological .	322-326	Succession Duties	857
—Mines and Minerals 709, 710, 711, 712, 714,		Suez Canal	548
715, 716, 717, 719, 720		Suffrage Movement, Woman .	595
—Municipalities 742		Sugarcane, cultivation of .	283
—murder .	457	Sugar Imports .	923
—police .	455, 456, 457	Suits, civil .	452
—Population .	971-981	Suket .	200
—press .	656	Sukkur Barrage .	313
—railway. 693, 694, 695, 696, 702-708		Sunday School Union ..	409
—reserves, currency	895	Sunth (Sant) .	192
—revenue and expenditure	873	Superintendents of Police, Assistant	454
—Tea .	755, 756, 757	Surguja .	197
—telegraph and telephone	576	Survey, Archæological ..	69
—Textile Industry 741, 742, 743, 744, 745		—Botanical	68, 568
—theft .	457	—Department	68
—Trade 910, 914, 915, 916, 917, 918,		—Geological	68
919, 922, 923, 925, 926,		—Hydrographic (of India)	334
927, 928, 929, 930		—of India .	508
—wages, income, &c	684	—Mammal ..	567
Statuary ..	26	—Maps, Topographical .	568
Statutory Commission	49	—Zoological	567
Steamship Co, Anchor Line	547	Surveys, Forest	618
—Bibby Line	547	—Scientific .	567
—B I S N	547	Sutlej Valley Project	313, 337
—City and Hall Line	547	Swedish Alliance Mission ..	431
—Henderson .	547	—Consuls	452
—Lloyd Triestino .	547		

	PAGE		PAGE
Village autonomy . . .	338	Wesleyan Methodist Mission ..	440
Villages, occupations in .	990	Western India Famine, 1863-70 ..	329 330
—types of ..	338	—National Liberal Association	14
Vishnu	16	—states	187
Visit of King and Queen	48	—Bhavnagar	188
Vizagapatam Harbour Project ..	91, 351	—Cutch	187, 190
		—Dhrangadhra	188
		—Gondal	188
		—Idar	191
		—Junagadh	189
		—Nawanagar	189
		—Porbandar	190
		—Radhanpur	190
		Wheat, cultivation of	282
		—Import Duty (Extending) Act	913
		White Paper on Indian Constitutional Reforms	960
		Whitley Commission (Labour)	472
		Who's who in India	1031
		Widowhood	978
		Widow remarriage	978
		Willington, Lord	49
		Wills, Proving of	34
		Wireless Beam Stations	652
		—Broadcasting	652
		—Licences	653
		—Prospects	653
		—stations	652
		—telegraph	652
		—Telegraphy Act, Indian	463
		—telephony	652
		—Telephone Service, India England	653
		Wolfram	129
		Woman Suffrage Movement	595
		Women Association of British University	416
		—Workers	489
		Women's Christian Medical College	437
		—costumes	15
		—Deputation, All-India	595
		—Employment Bureau	416
		—Indian Association	414, 1001
		—Medical Service	590
		—Bombay Nursing Association	593
		—Calcutta Nursing Association	593
		—Lady Hardinge Medical College	591
		—Lady Minto's Association	594
		—Leave Rules	591
		—Madras Nursing Association	593
Wadi Estate	194		
Wages	512		
—and Income (table)	684		
—Deduction from	523		
Wana, Reoccupation of	23		
War and Afghanistan ..	13, 46, 48, 256		
—Burmese ..	44, 46		
—European, and India	48		
—Gurkha	43		
—India and the	48		
—Maratha	42		
—Memorial, All-India	563		
—Mysore	12		
—Nepal	43		
—Royal Indian Marine	276		
—Sikh	43		
Warrant of Precedence	598		
Wars, Afghan ..	43, 46, 48, 256		
Water Polo	1023		
Waziristan	235		
—Map of	234		
—People in	235		
—Policy in	235		
—Suggested Programme in ..	235		
—The Compromise	236		
—Wana, Reoccupation	237		
Weaving, carpet	751		
—Mills	751		
—Shawls	751		
Weights and Measures Committees	36		
—currency	35		
—reform of	35		
—variety of	35		
Welfare centres, child	585		
—movement, child	585		
—Work	585		
—Work among fisherfolk	643		
Wellesley's (Lord) policy	42		
Wells	314		
Welsh Calvinistic Methodist Mission	433		

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	PAGE		PAGE
Women's Medical Service National Association for Supplying Medical Aid by Women to the Women of India	590	Workmen's Compensation	476, 497
—Nurses' Organisation .	594	—(Amendment) Act	463
—Nursing	592	—Compensation Act	497
—Pay	590	Worship, Hindu	17
—Qualifications	590	Woven goods (table) .	744
—State registration of nurses .. .	592	Wrestling	1028
—Trained Nurses' Association	594		
—Victoria Memorial Scholarships	591	Y	
—Municipal franchise	595	Yachting	1030
Wood-carving ..	27	Yarn production tables	742, 743
—workers . . .	27	Younghusband's expedition to Lhasa	244
Wool Bibliography .. .	751	Young Men's Christian Association	414
—Blanket Weaving	751	—Women's Christian Association	415
—Carpet .	751		
—Exports ..	751	Z	
—Industry .	751	Zamindari holdings .. .	874
—Manufacture .	751	Zenana Mission, Ladies' .. .	436
—trade	921	Zinc	718
Workers and Peasants Party .	470	Zoological Survey	567
		Zoroastrianism	972



